

JVC

SERVICE MANUAL

PORTABLE CD SYSTEM

PC-X130 B/E/G/GI/EN



COMPACT
disc
DIGITAL AUDIO

Area Suffix

B	U.K.
E	Continental Europe
G	Germany
GI	Italy
EN	Northern Europe

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1. Safety Precautions

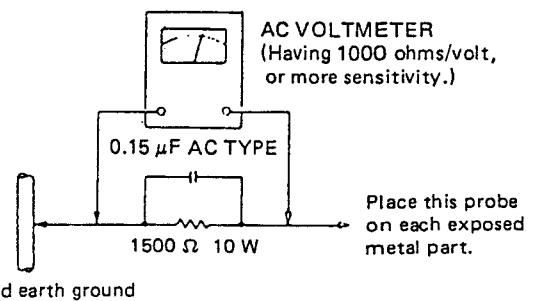
1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety — related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by () on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps , tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
5. Leakage current check (Electrical shock hazard testing)

After re — assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC(r.m.s.)

• Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a $0.15 \mu F$ AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC(r.m.s.). This corresponds to 0.5mA AC(r.m.s.).



Warning

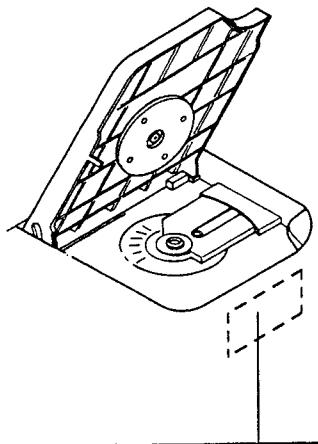
1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

2. Safety Precaution about PC - X130

IMPORTANT FOR LASER PRODUCTS (PRECAUTION)

PRECAUTIONS

1. CLASS 1 LASER PRODUCT
2. DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION: Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. CAUTION: The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD door is open. It is dangerous to defeat the safety switches.
5. CAUTION: Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.

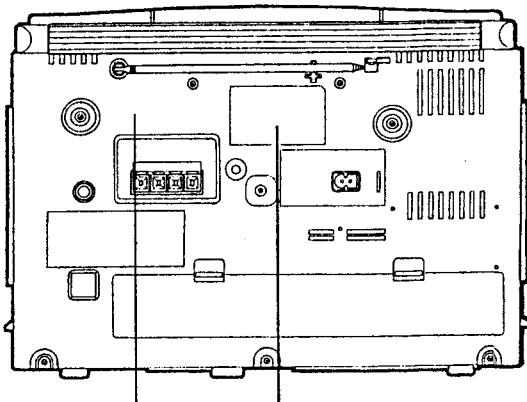


**ADVARSEL-Der vil udstråles osynlig laserbestråling når apparatet åbnes og afslæsningsmekanismen frigøres.
UNDGÅ AT BLIVE UDSET FOR LASERBESTRÅLING.**

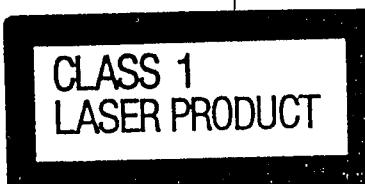
**DANGER-Invisible laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**

6. CAUTION: The laser is able to function, if safety switches are out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



NAME/RATING PLATE



Obs:
Apparaten innehåller laser
Komponent av höger laserklass
än klass 1.

IMPORTANT (in the United Kingdom)

Mains Supply (AC 240 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable fitted is too short to reach a power point, then obtain an appropriate safely approved extension lead or consult your dealer.

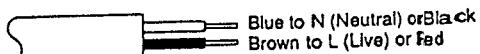
BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

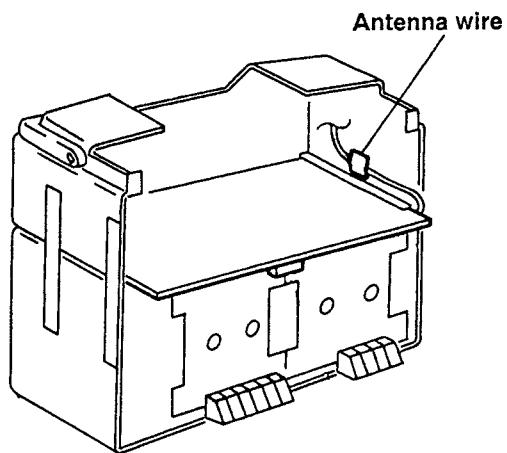
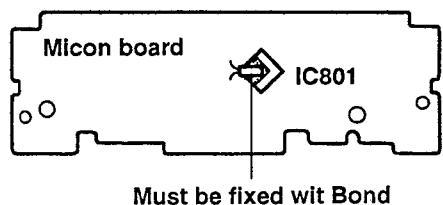
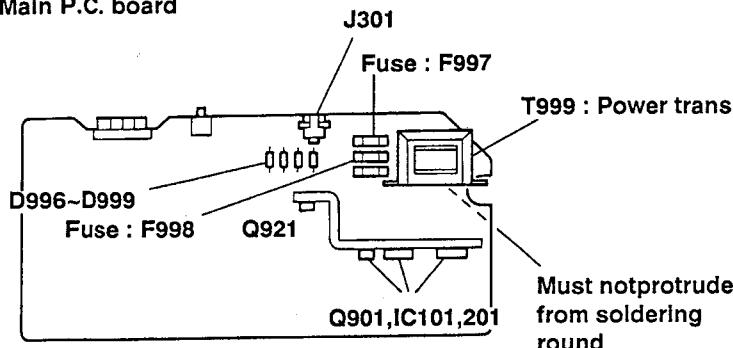


As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

■ Main P.C. board**■ Important points for safety management**

1. Make sure of the marking "VTP57P2 - 12C (PC - X130 B/E/G/GI/EN)" on the power transformer as well as of fixing screws got tightened.
2. Make sure of the markings "SE - 1(PC - X130 E/G/GI/EN) or SE - 5 (PC - X130 B)" on the attachment plug of the power cord, "SE - 4 (PC - X130 E/G/GI/EN) or SE - 6 (PC - X130 B)" on its connector plug and " \triangleleft VDE \triangleright (PC - X130 E/G/GI/EN) or BS6500 (PC - X130 B)" mark on the power cord itself besides confirmation of no damage in any part of the cord.
3. Make sure of the marking "HSC1466 (PC - X130 B/E/G/GI/EN)" on the AC jack and of no gap between the jack and the board to avoid break in the circuit pattern.
4. For securing creeping distance and space interval, make sure of no excess soldering and no parts sticking out around primary terminals and adjacent secondary terminals.
5. Make sure of secure fitting of the fuse besides rating, ampere — capacity and T mark shown on its base. Especially check the rating that is accordant with the specified rating indicated on the board.
F997 : T5AL250V, F998 : T5AL250V
6. Make sure that all wires and the like are securely clamped or fixed not to near live parts, moving parts, heat generation parts and sharp — edged parts.
7. Make sure to arrange the following parts not to contact electrolytic capacitors and wires since they are heat generation parts. For inflammable parts, confirm that they don't topple down if they are lifted up. ()must be controlled.
IC201, IC101, Q921, Q901, (D996), (D997), (D998), (D999), RM07.

Main Features

1. Multi-function CD player with remote control.
 - CD player with programmed play of up to 20 tunes/repeat play/random play/intro play function.
 - 8-cm (3-3/16") "CD singles" capability.
2. 32-key remote control unit (CD and tuner operations)
 - Remote control controls power on/off switching, volume control, SEA electronic equalizer controls, Active Hyper-Bass on/off switching.
3. Active Hyper-Bass circuit for low-frequency sound reproduction.
4. 2-Band digital synthesizer tuner with 30-station (15 FM and AM (MW/LW) preset capability
 - Seek/manual tuning
 - Auto preset tuning
 - Preset scan tuning
5. Synchro-record start for CD recording convenience.
6. Double-cassette mechanism (Deck A for recording and playback, Deck B for playback).
 - Metal and CrO₂ tapes can be played back for superior tone quality.
 - Synchro-start dubbing function (normal/high speed dubbing).
 - Relay playback (from Deck B to Deck A).
7. Timer/Clock function
 - Timer on/off with preset volume function.
 - Wake-up volume setting with 25 different levels.
 - Sleep timer can be set for up to 120 minutes.

Specifications

Compact disc player section

Type	: Compact disc player
Signal detection system	: Non-contact optical pickup (semiconductor laser)
Number of channels	: 2 channels (stereo)
Frequency response	: 20 Hz - 20,000 Hz
Signal-to-noise ratio	: 76 dB
Wow & flutter	: Less than measurable limit
Radio Section	
Frequency range	: FM 87.5 - 108 MHz (B/E/G/GI/EN) : MW 522 - 1,629 kHz (B/E/G/EN) : LW 144 - 288 kHz (B/E/G/EN)
Antennas	: Telescopic antenna for FM Ferrite core antenna for MW and LW

Tape deck Section

Track system	: 4-track 2-channel stereo
Motor	: Electronic governor DC motor for capstan
Heads	: Deck A; Hard permalloy head for recording/playback, 2 gap permalloy head for erasure Deck B; Hard permalloy head for playback
Frequency response	: 63 - 12,500 Hz (with normal tape/normal speed)
Wow & flutter	: 0.15% (WRMS)
Fast wind time	: Approx. 120 sec. (C-60 cassette)

General

Power output	: Max. 20 W (10 W + 10 W) at 8 Ω
Output terminals	: PHONES x 1 (Output level: 0 - 12 mW/32 Ω, Matching impedance: 16 Ω - 1 kΩ)

Power supply	: AC 240 V, 50/60 Hz (PC-X130B) AC 230 V, 50/60 Hz (PC-X130E/G/EN/GI) DC 12 V ("D" cells x 8) Ext. DC 12 V (PC-X130E/EN)
Power consumption	: 35 W (with POWER SW ON) 2.6 W (with POWER SW STANDBY)
Dimensions	: 700(W) x 250(H) x 23(D) mm (27-5/8" x 9-7/8" x 9-1/8") including knobs
Weight	: Approx. 8.4 kg (18.6 lbs) with batteries Approx. 7.5 kg (16.6 lbs) without batteries
Accessories provided	: AC power cord Remote control unit (RM-RX130) Battery "AAA" x 2 (for the remote control)

Speaker Section (each unit)

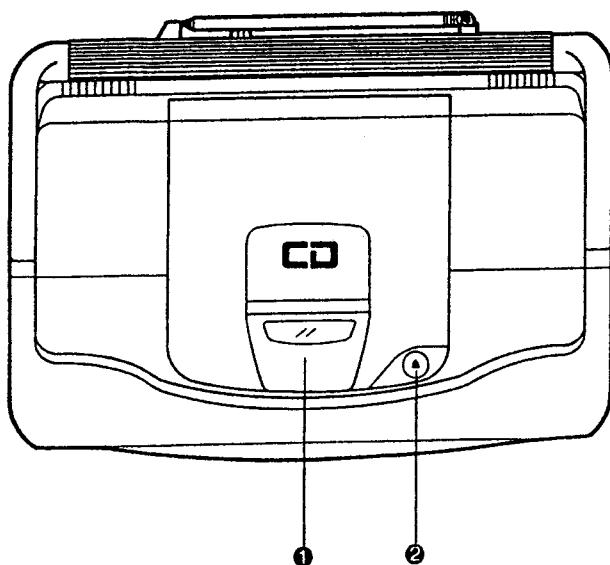
Speakers	: 10 cm (3-15/16") x 1
Impedance	: 8 Ω
Dimensions	: 180 (W) x 237 (H) 20 (D) mm (7-1/8" x 9-3/8" x 7-11/16")
Weight	: Approx. 1.6 kg (3.6 lbs)

Design and specifications are subject to change without notice.

Instructions (Extract)

NAMES OF PARTS AND THEIR FUNCTIONS

- Top panel



- ① Disc holder
② Disc holder open button (▲)

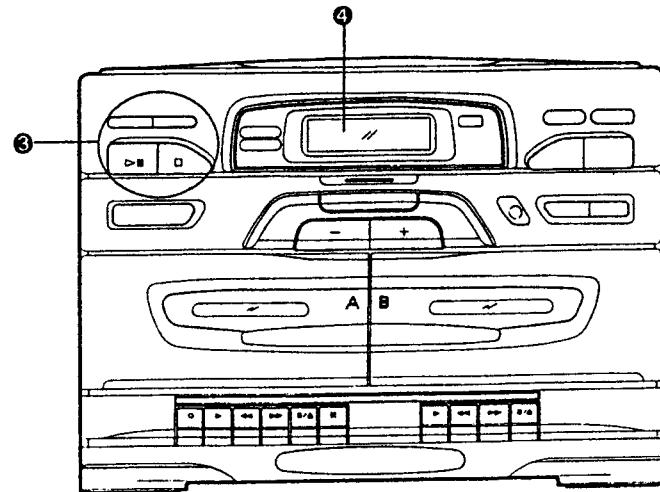
③ CD operation buttons

- ① SEARCH/SKIP (◀◀/▶▶) buttons
② PLAY/PAUSE (▶▷) button
③ STOP/CLEAR (□) button

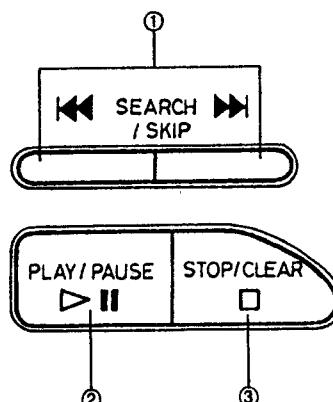
④ Display window (CD player section)

- ① Function/Track number display
② Playback time display
③ INTRO scan Indicator
④ RANDOM playback indicator
⑤ Repeat playback indicator (◀ ALL)
⑥ Music calendar display
⑦ PRGM mode indicator
⑧ OVER indicator

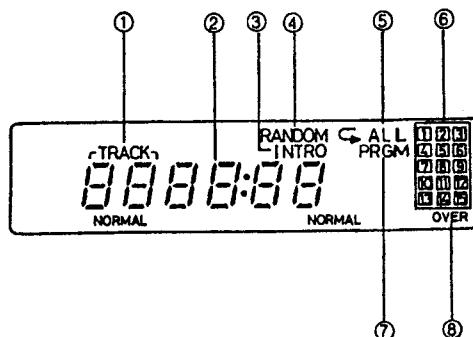
- Front panel

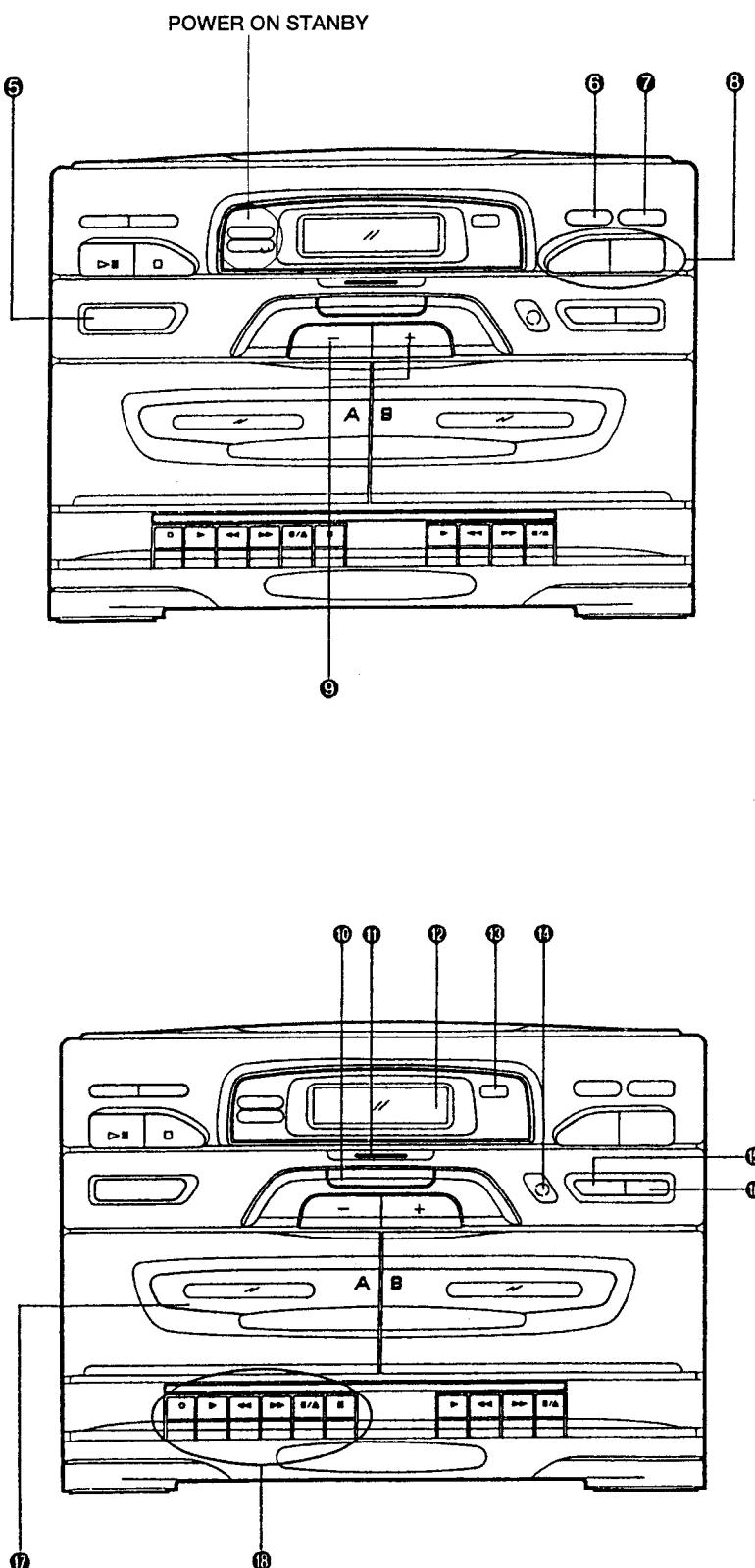


③

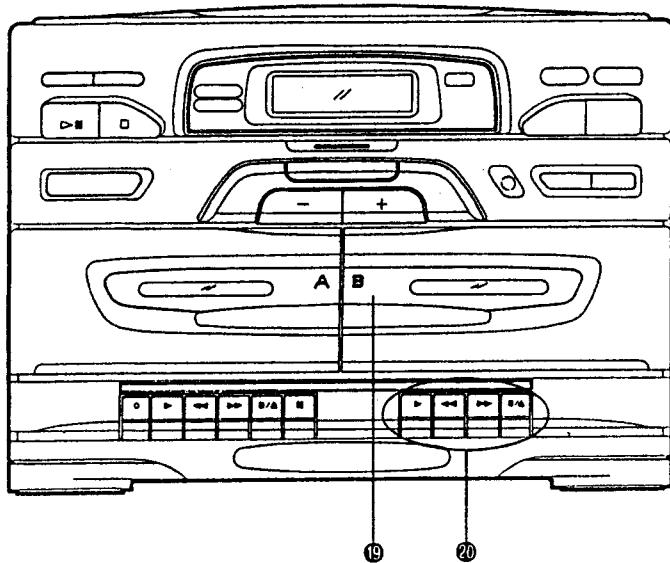


④



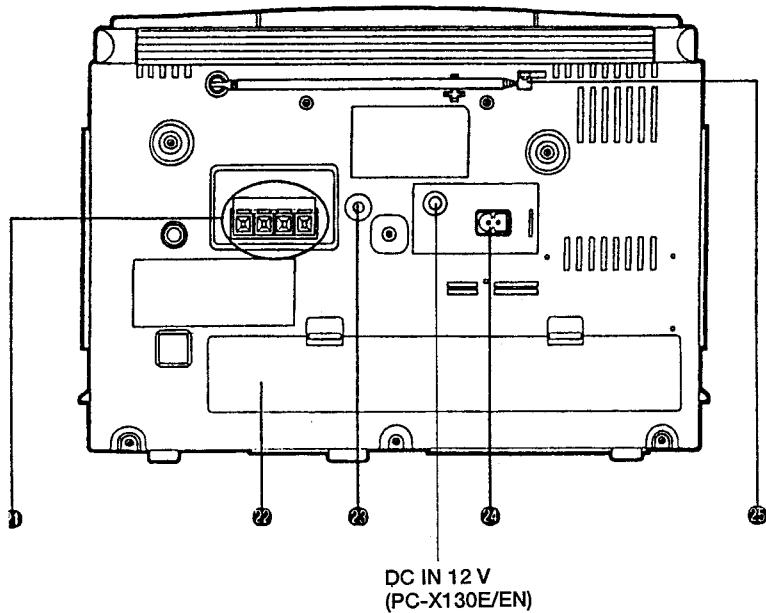


- ⑤ POWER button
- ⑥ PRESET SCAN button
- ⑦ AUTO PRESET button
- ⑧ TUNER (BAND/FM MODE) button
- ⑨ Tuning (Time adjustment) buttons
DOWN frequency/Hour or minute
UP frequency/Hour or minute
- ⑩ VOLUME buttons
+: Use to increase the volume or tone (SEA).
-: Use to decrease the volume or tone (SEA).
(The level can be changed from VOL 0 to VOL 25.)
- ⑪ ACTIVE HYPER-BASS button
on: The ACTIVE HYPER-BASS indicator will light.
Set to this position to listen to the ACTIVE HYPER-BASS sound
off: The ACTIVE HYPER-BASS indicator goes out.
Set to this position when the ACTIVE HYPER-BASS sound is not required.
- ⑫ ACTIVE HYPER-BASS indicator
• Blinks when the VOLUME button is operated.
- ⑬ Display window
(Tuner section)
Band indicator (FM/AM) (MW/LW)
Radio frequency display
MONO indicator
STEREO indicator
Preset station display
(Tape deck/amplifier section)
- Tape mode display
NORMAL tape Indicator
CrO₂/METAL tape indicator
NORMAL speed indicator
HIGH speed indicator
Recording indicator (REC)
(Timer/Clock section)
(See page 44)
- ⑭ REMOTE SENSOR section
- ⑮ SEA ELECTRONIC EQ (FREQUENCY) button
Used to select the electronic equalizer frequency band (100 Hz/1 kHz/10 kHz) to be adjusted with the VOLUME button. (The level setting ranges are from -5 to 5.)
- ⑯ TAPE (FOR PLAYBACK) switch
Set this switch according to the type of tape to be used.
CrO₂/METAL: (playback only)
Set to this position to listen to a metal (type IV) or chrome (type II) tape.
NORMAL:
Set to this position to listen to a normal (type I) tape.
- ⑰ DUBBING SPEED switch
HIGH:
Set to this position when dubbing at high-speed.
NORMAL:
Set to this position when dubbing at normal-speed.
- ⑱ Cassette holder (Deck A)
- ⑲ Cassette operation buttons (Deck A)
 - REC:
Press this button with the ▶ PLAY button to start recording.
 - ▶ PLAY:
Press to play the tape.
 - ◀ REW:
Press to rewind the tape rapidly.
 - ▶ FF:
Press to wind the tape forward rapidly.
 - /▲ STOP/EJECT:
Press to stop the tape. Pressing this button when the tape has stopped opens the cassette holder.
 - II PAUSE:
Press to stop the tape momentarily. Press again to release the pause mode.



- ⑯ **Cassette holder (Deck B)**
 ⑰ **Cassette operation buttons (Deck B)**
- ▶ **PLAY:**
Press to play the tape.
 - ◀ **REW:**
Press to rewind the tape rapidly.
 - ▶▶ **FF:**
Press to wind the tape forward rapidly.
 - /△ **STOP/EJECT:**
Press to stop the tape. Pressing this button when the tape has stopped opens the cassette holder.

• **Rear panel**



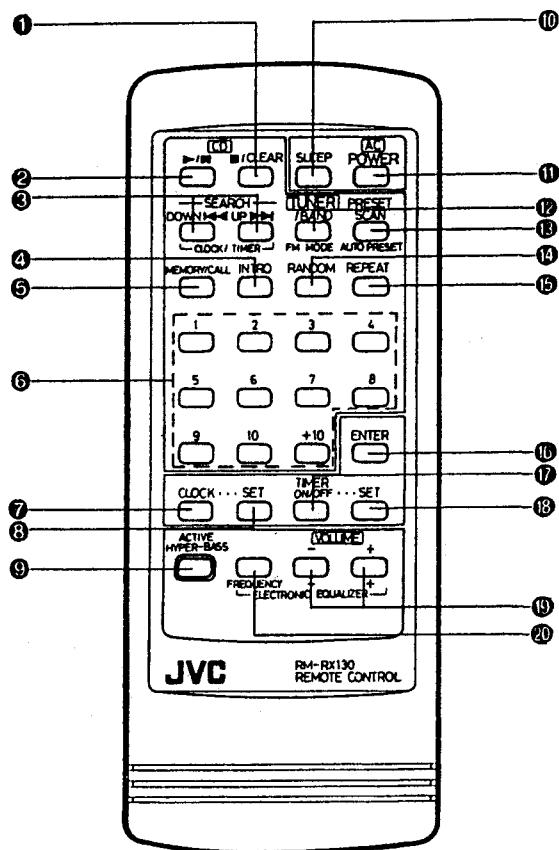
- ① **SPEAKER terminals**
Connect the provided speakers to these terminals.
- ② **Battery compartment cover**
- ③ **Headphones jack (PHONES) (3.5 mm dia. stereo mini)**
Connect headphones (impedance 16 Ω - 1 kΩ) to this jack. The speakers are automatically switched off when the headphones are connected.
- ④ **AC IN (AC Input) jack**
- ⑤ **Telescopic antenna**

REMOTE CONTROL UNIT

The following operations can be performed using the remote control unit.

- Check the functions of the operation buttons carefully and operate them correctly.

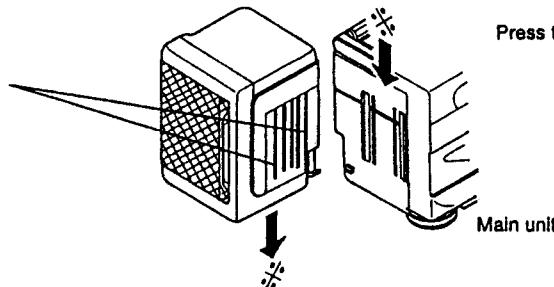
- ① ■/CLEAR: Stop/clear button
- ② CD ▶/II: CD mode/play/pause button
- ③ CD search/DOWN and UP buttons (◀◀, ▶▶)
 - In the CD mode, to scan to the beginning of a tune and to start forward or reverse search.
 - In the tuner mode, to tune to broadcasts. (Also used to set the time and timer.)
- ④ INTRO button
- ⑤ MEMORY/CALL button
- ⑥ Track (tune) number buttons (No. 1 – No. 10, +10)
Preset station buttons (No. 1 – No. 10, +10)
- ⑦ CLOCK button
- ⑧ CLOCK SET button
- ⑨ ACTIVE HYPER-BASS button
- ⑩ SLEEP button
- ⑪ POWER (AC) button
 - When power is supplied from the batteries, even when the button is pressed, the PC-X130 will not be switched on.
- ⑫ TUNER/BAND button
- FM MODE button
- ⑯ PRESET SCAN button
- AUTO PRESET button
- ⑭ RANDOM button
- ⑮ REPEAT button
- ⑯ ENTER button
- ⑰ TIMER ON/OFF button
- ⑱ TIMER SET button
- ⑲ VOLUME buttons
 - +: Use to increase the volume or tone (SEA).
 - : Use to decrease the volume or tone (SEA).
- ⑳ FREQUENCY (ELECTRONIC EQUALIZER) button



ATTACHING/DETACHING THE SPEAKERS

When using the speakers attached to the main unit
Hold with the bottom of the speaker against the top of the main unit and press down on the speaker to attach it.

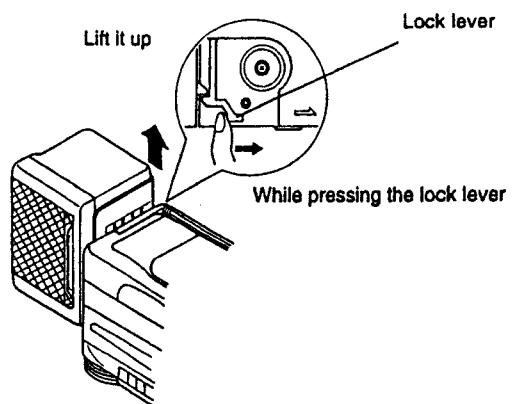
Speaker slot



Press the speaker down with the speaker and main unit aligned.

When using the speakers detached from the main unit

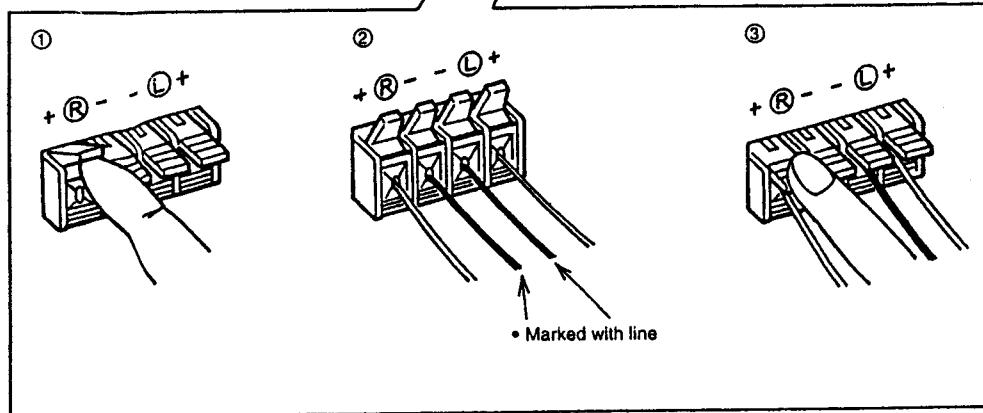
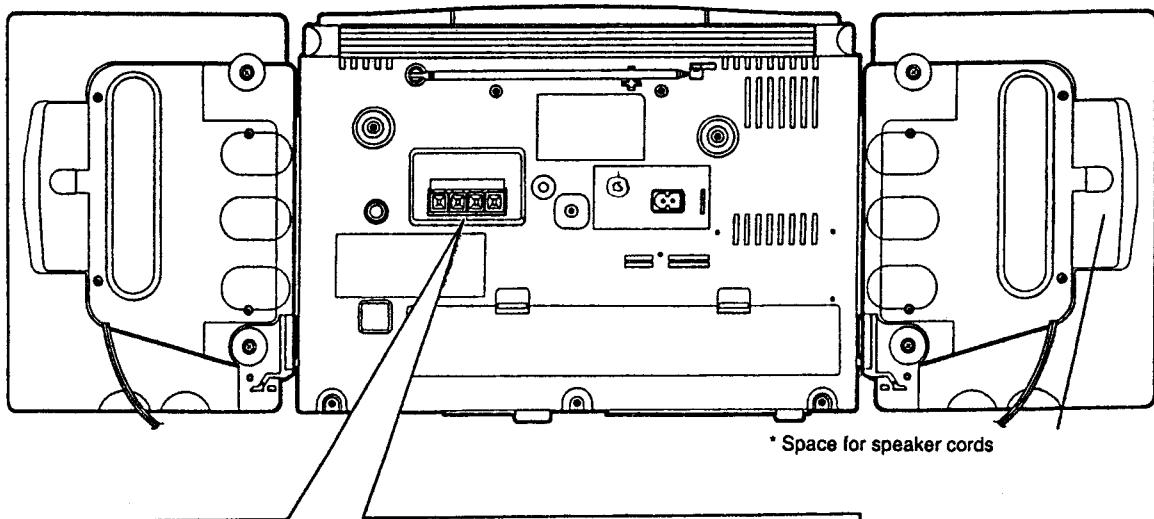
Lift the speaker up to detach from the main unit by pressing the lock lever at the rear bottom of speaker in the direction of the arrow.

**Note:**

Since the speakers sound differently according to where they are placed, carefully place them for optimal effect within the length of the provided speaker cords. It is recommended that the left and right speakers be placed symmetrically in relation to the main unit.

CONNECTIONS

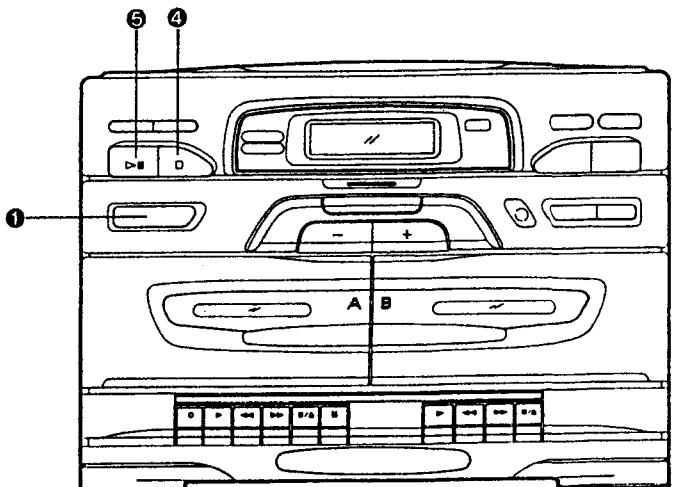
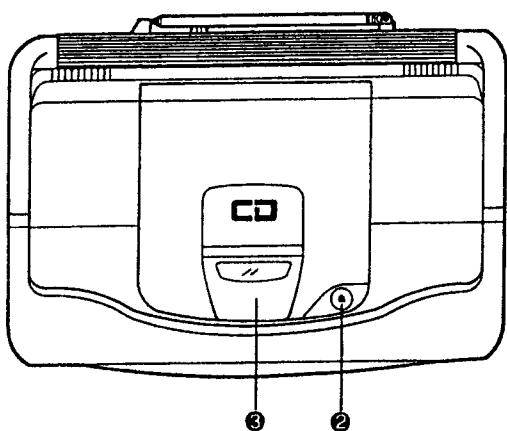
- Do not switch the power on until all the connections are completed.
- After connecting the speaker cords, bundle any slack into the space for the speaker cords in the rear panel.
- When connecting the speaker cords, connect the one marked with a line to the “-” terminal first.



PLAYING COMPACT DISCS

Playing an entire disc ... The following example assumes a compact disc with 12 tunes and a total playing time of 48 minutes 57 seconds.

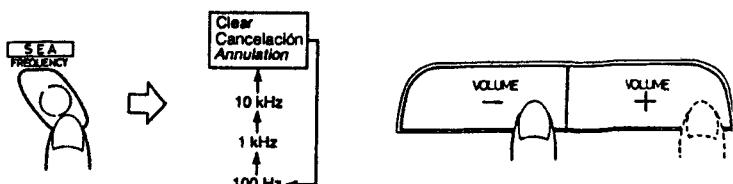
Operate in the order shown



- ① Set the POWER button to on.
- ② Press to open the Disc holder.
- ③ Load a disc with the label side facing up and close the Disc holder.
- ④ Set to the CD mode.
 - If the PLAY button of deck A or B is pressed, press the STOP/EJECT (■/△) button to set to the stop mode.
 - When a CD is first loaded, the total number of tracks (tunes) and total playing time are displayed.
- ⑤ Press to start play.
 - As tunes are played, their track numbers go out one by one.
- 8-cm (3-3/16") compact discs can be used in this unit without an adapter.

To adjust the SEA (FREQUENCY) electronic equalizer

Press the SEA (FREQUENCY) button to select the graphic equalizer frequency band (100 Hz/1 kHz/10 kHz) to be adjusted. Within about 5 seconds, press the VOLUME button (+/-) to adjust the level within a range of -5 to 5. (Level should be adjusted in each frequency band.)



To stop play

- To stop in the middle of a disc
During playback, press the STOP/CLEAR (□) button to stop play.



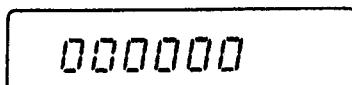
- To stop a disc temporarily**
Press the PLAY/PAUSE (▶II) button to stop play temporarily. When pressed again, play resumes from the point where it was paused.

Caution:

- To change discs, press the STOP/CLEAR (□) button; check that the disc has stopped rotating completely before unloading it.**

Notes:

- The following indication may be shown when a disc is dirty or scratched, or when the disc is loaded upside down.
In such a case, check the disc and insert again after cleaning the disc or turning it over.



- Do not use the unit at excessive high or cold temperatures. The recommended temperature range is from 5°C (41°F) to 35°C (95°F).**
- After playback, unload the disc and close the Disc holder.
- If mistracking occurs during play, lower the volume.
- Mistracking may occur if a strong shock is applied to the unit or if it is used in a place subject to vibrations (i.e. in a car travelling on a rough road).

Skip playback

- During playback, it is possible to skip forward to the beginning of the next tune or back to the beginning of the tune being played or the previous tune; when the beginning of the required tune has been located, play starts automatically.

To listen to the next tune ...

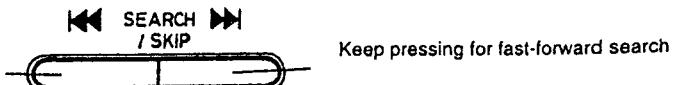
Press the ▶I button once to skip to the beginning of the next tune.

To listen to the previous tune ...

Press the I◀ button to skip to the beginning of the tune being played back and press again to skip to the beginning of the previous tune.

Search playback (to locate the required position on the disc)

- The required position can be located using fast-forward or reverse search while playing a disc.

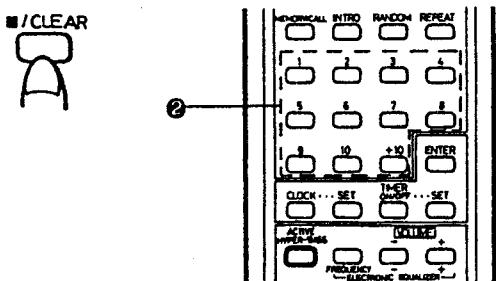


- Hold down the button; search play starts slowly and then gradually increases in speed.
- Since low-volume sound (at about one quarter of the normal level) can be heard in the search mode, monitor the sound and release the button when the required position is located.

Direct access playback (using the remote control)

- Pressing any of the track number buttons will start playing from the beginning of the designated tune, without your having to press the CD ▶/II button. (This function cannot be used during programmed play.)

①



- Press the ■/CLEAR button to set to the CD mode.
- If the PLAY button of the deck A or B is pressed, press the STOP/EJECT (■/▲) button to set to the stop mode.

- Designate the required tune using the track number buttons.

- To designate tune numbers 1 to 10, press the track number button corresponding to the tune (track) number.
- To designate tune number 11 or higher, press the +10 button the required number of times, then the track number button. (Example: To designate the 25th tune, press the +10 button twice, then press track number button 5.)

+10 button:

Each time this button is pressed, the number increases by 10. First press this button to set the 10's digit, then press the track number button to set the 1's digit.

To skip to another tune during play

When the required track number button is pressed, the display shows the designated track number and play starts from the beginning of the designated tune.

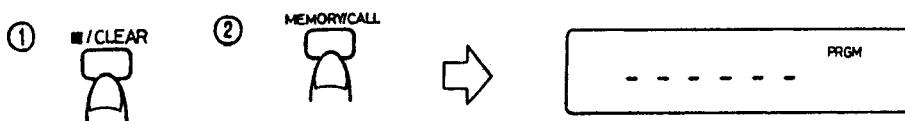
Programmed play (using the remote control)

- Up to 20 tunes can be programmed to be played in any required order.
The total playing time of programmed tunes is displayed (up to 99 minutes, 59 seconds).
(Example: When programming the 2nd tune to be played first, the 6th tune next, and then the 12th tune, etc.)

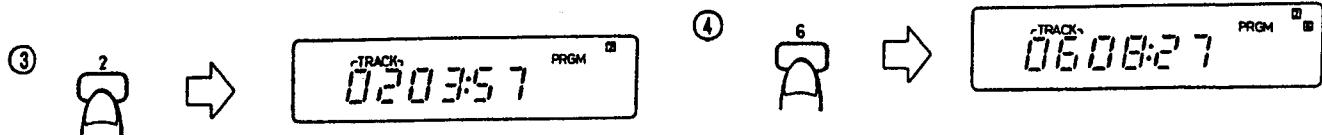
- Press the ■/CLEAR button.
- Press the MEMORY button to set to the programming mode.
- Press to designate the required track number.
- Designate the remaining tunes by pressing the track number buttons.
- Press the ▶/II button when programming is completed. Programmed playback starts.

To clear the programmed tunes ...

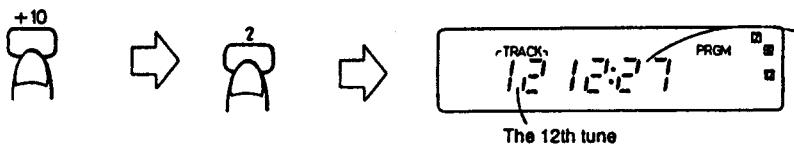
Press the ■/CLEAR button before playing a disc. During programmed playback, press this button twice. When the Disc holder is opened, programmed tunes are cleared automatically.



To designate the 2nd tune.



To designate the 12th tune.



The total playback time of programmed tunes is displayed.

To confirm the details of a program ...
Press the MEMORY/CALL button; the tunes making up the program will be displayed in programmed order.



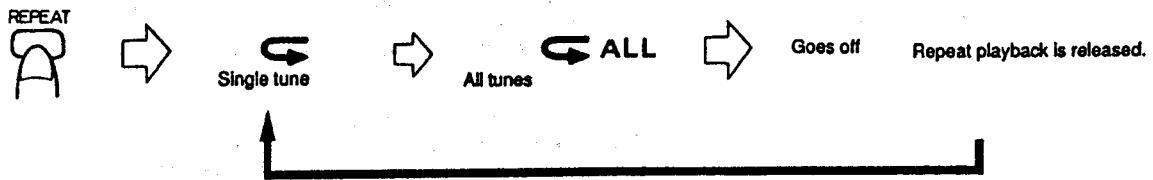
Notes:

- If the total playing time of the programmed tunes exceeds 99 minutes 59 seconds, the total playing time indication will go out.
- It is not possible to program more than 20 tunes.
- When a disc with 16 or more tunes is loaded, the "OVER" indicator will appear.
- When performing timer playback in the order of "Programmed play", step ⑥ above is not required.

Repeat play (using the remote control)

Press the REPEAT button before or during play. A single tune or all the tunes can be repeated.

Whether a single tune or all tunes are to be repeated can be specified. Each time the REPEAT button is pressed, the mode will change from a single tune (⌚), to all the tunes (⌚ ALL), to the clear mode, in this order.



- Repeat playback of a single tune (⌚)

The tune being played back will be heard repeatedly.



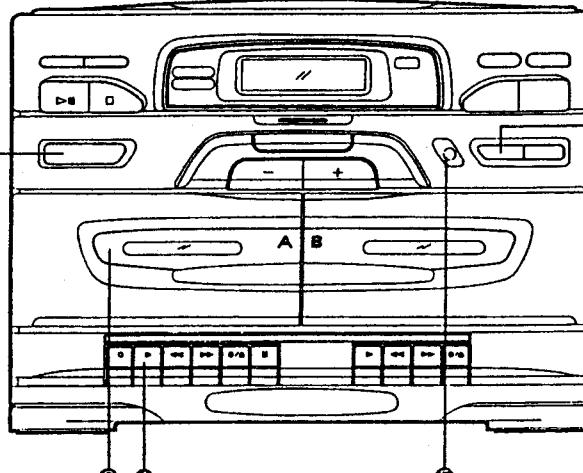
- Repeat playback of all tunes (⌚ ALL)

When playing back an entire disc or programmed tunes, all tunes or the programmed tunes will be heard repeatedly.

**CASSETTE PLAYBACK**

(The example shows Deck A)

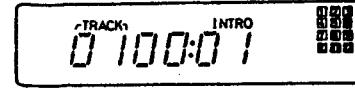
Operate in the order shown

**Random playback (using the remote control)**

Press the RANDOM button, all tunes on a disc are played once, in random order.

**INTRO scan operation (using the remote control)**

- Simply press the INTRO scan button to play the first 15 seconds of each tune. The operation is released after playing the introductions of all tunes or all programmed tunes.
- If the INTRO scan button is pressed in the middle of a tune, the intro scan operation will start from the next tune.
- To release the intro scan mode, press the INTRO scan button again and normal playback (or programmed playback) will resume.



- ① Set the POWER button to on.

- ② Load a cassette.

- ③ Set the TAPE switch as required.

- ④ Press to start playback.

- ⑤ Adjust.

- Playback in Deck B

The previous procedures ③ through ④ also apply to Deck B when a cassette is loaded in Deck B. When Decks A and B are simultaneously set to the play mode, only the playback sound of Deck B is heard.

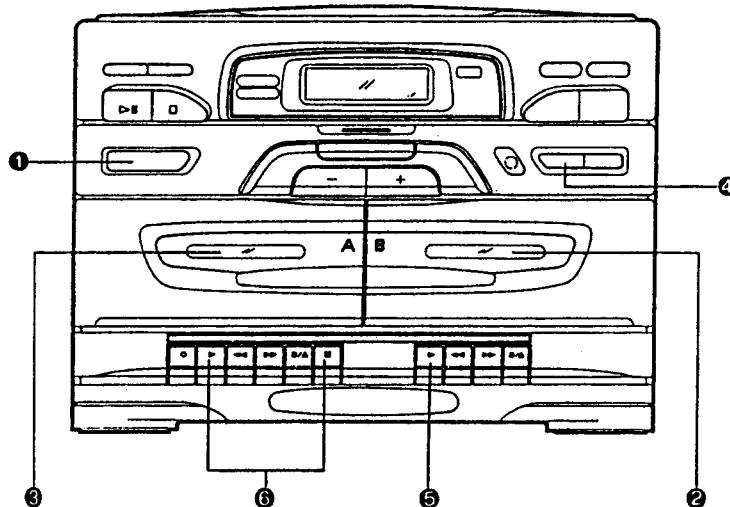
Notes:

1. When the power is turned off while the tape is still running, cassette operation buttons which are depressed do not return to the original positions.
Press the STOP/EJECT (■/▲) button to stop the tape running before turning off the power.
2. Avoid operating the FF or REW button on the deck during playback of the other deck.

RELAY PLAYBACK

(From Deck B to Deck A)

Operate in the order shown



- ① Set the POWER button to on.
- ② Load a cassette.
- ③ Load a cassette.
- ④ Set the TAPE switch as required.
- ⑤ Press the ▶ PLAY button on Deck B.
- ⑥ Set Deck A to the play-pause mode.

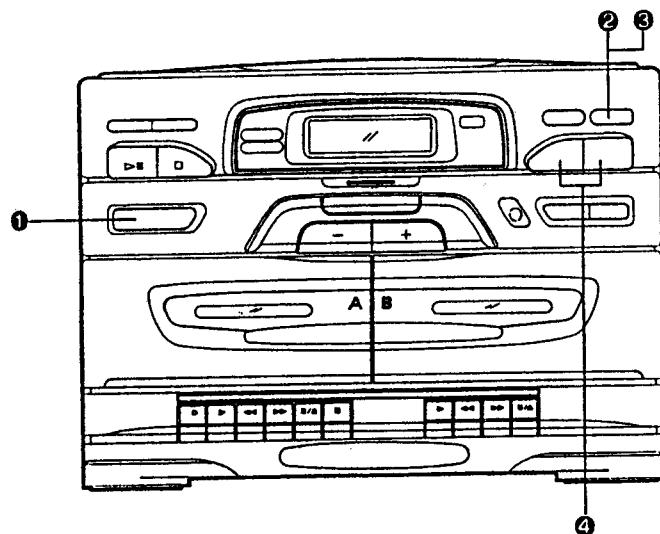
When Deck B stops, Deck A's pause mode will be released and it will start playback. When Deck A stops automatically, relay playback will be released.

Note:

Use the same type of tape in Decks A and B during this mode.

RADIO RECEPTION

Operate in the order shown

**FM MODE button****Auto mode:**

Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when a FM stereo broadcast is received.

MONO:

Set to this position when FM stereo reception is noisy. When another station is tuned to in the MONO mode using the TUNING UP/DOWN or PRESET SCAN/AUTO PRESET button, the unit automatically enters Auto mode.

• Seek tuning

Press the UP or DOWN button for one second or more; the unit enters the seek tuning mode and tunes to higher or lower frequencies, and when the broadcast is received, it stops tuning automatically and the broadcast can be heard.

- ① Set the POWER button to on.
- ② Press the TUNER/BAND button; a band and radio frequency will be shown in the display.
 - If the PLAY button of the deck is pressed, press the STOP/EJECT (■/△) to set to the stop mode.
- ③ Select the band/FM mode (FM auto, FM MONO or AM) (MW/LW).
- ④ Tune to the required station.

- **Manual tuning**

Each time the UP or DOWN button is pressed, the unit steps through the current frequency band. Tuning is in steps of 100 kHz for FM and 10 kHz for AM (MW/LW).



Notes:

- When seek tuning to the required station is not possible because it is broadcasting too weak a signal, press the UP or DOWN button momentarily to perform manual tuning.
- When the power is set to STANDBY, or another mode (TAPE or CD) is selected, the last tuned frequency is stored in memory. When the power is switched on again and TUNER/BAND button is pressed, the same station will be heard.

Auto preset tuning

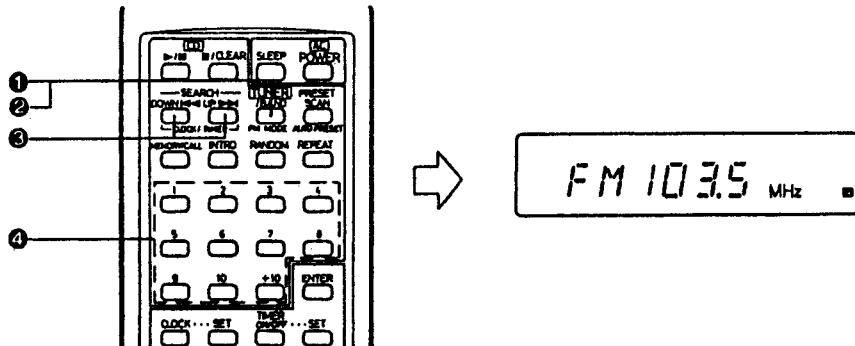
This function scans the current band (FM or AM (MW/LW)), detecting frequencies used to broadcast signals, and stores the first 15 frequencies in memory automatically.

- Press the AUTO PRESET button for more than 2 seconds. The frequencies of stations broadcasting signals can be preset automatically in the order of increasing frequency. (15 stations in each band (FM and AM (MW/LW)).

Presetting stations (using the remote control unit)

15 stations in each band (FM and AM (MW/LW)) can be preset as follows:

- ▷ Example (when presetting an FM station broadcasting at 103.5 MHz to preset button "15")



- ① Press the TUNER/BAND button.
- ② Select the FM band using the TUNER/BAND button.
- ③ Tune to the required station.
- ④ Press preset button "+10", then "5" for more than 2 sec. (When "15" blinks in the preset station display, the station has been preset.)
- Repeat the above procedure for each of the other stations, using a different preset button each time.
- Repeat the above procedure for the AM (MW/LW) band.
- **To change preset stations**
Perform step ④ above after tuning to the required station.

Notes:

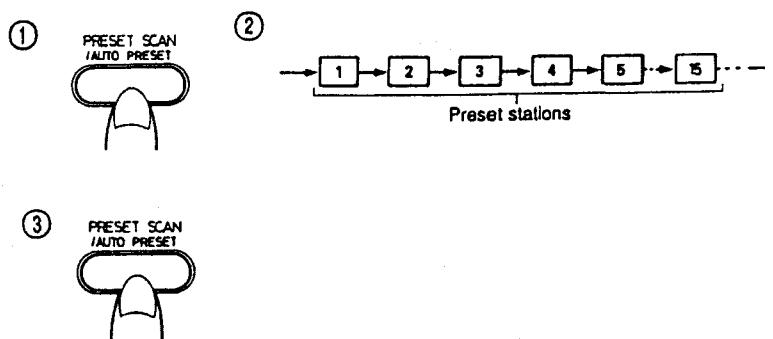
- The previous preset station is erased when a new station is set as the new station's frequency replaces the previous frequency in memory.
- When listening to an AM broadcast, noise may be heard if the remote control is used.

Preset tuning (using the remote control unit)

- The stations must be preset before this operation can be performed.
- ① Press the TUNER/BAND button.
- ② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
- ③ Press the required preset station buttons (No. 1 – No. 10, +10).
- The preset station number and frequency corresponding to the button pressed are shown.

Preset scan button tuning

- This makes it possible to automatically scan preset FM and AM stations.



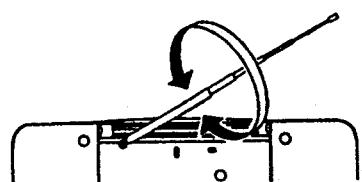
- Press the PRESET SCAN button.
- Scanning is performed in the order of preset station in each frequency band (FM and AM (MW/LW)). Each preset station is heard for approx. 5 seconds.
- When the required station is heard and its frequency is blinking, press the PRESET SCAN button again.

Note:

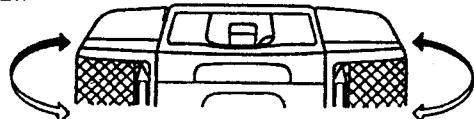
Up to 15 broadcast stations in each band can be preset on the PC-X130. If the preset scan operation is performed without all 15 stations having been preset, noise may be heard under certain conditions when non-preset stations are scanned.

Using the antennas

FM



MW or LW



Note:

The built-in ferrite core antenna can pick up interference from television receivers in the neighborhood and thereby disturb AM (MW/LW) reception.

RECORDING



- In recording, the ALC circuit automatically optimizes the recording level; adjustment of the recording level is unnecessary.
- Check that the safety tab on the cassette tape is not broken off.

Notes:

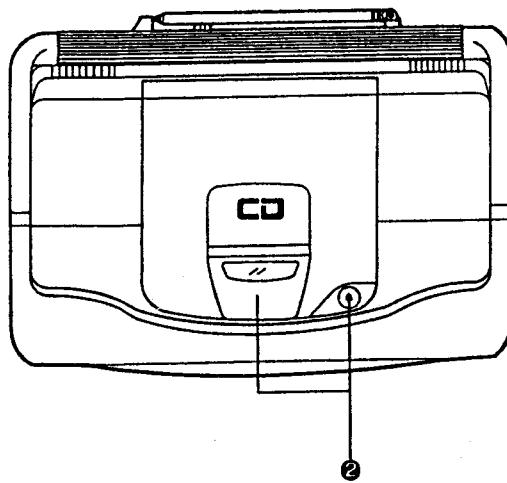
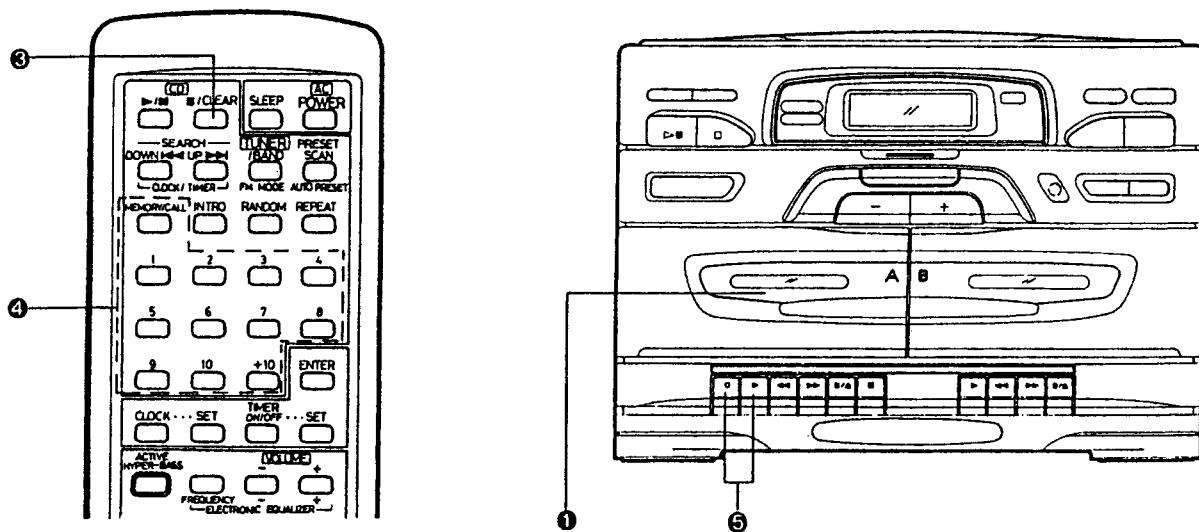
- The recording characteristics of this unit are those of normal tape. Normal tape has different characteristics from CrO₂ and metal tapes.
- Do not operate any button on deck B during recording.

It should be noted that it may be unlawful to record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

Synchronized recording with the CD player

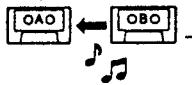
- In this system, the CD player starts playback when Deck A enters the recording mode.

Operate in the order shown



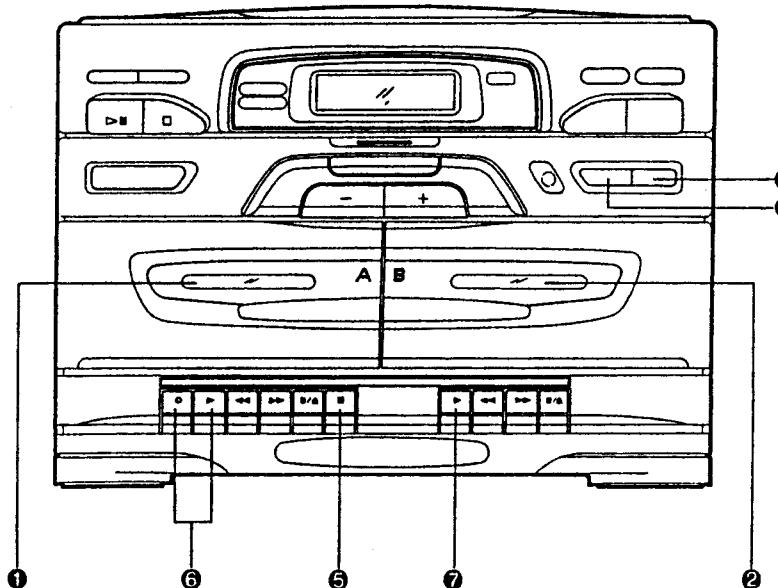
- ① Load a cassette tape in deck A
- ② Load a disc and close the Disc holder.
- ③ Set the CD mode.
 - When the ▶ PLAY button of deck is pressed, press the STOP/EJECT (■/▲) button to set to the stop mode and perform this operation.
- ④ When programmed playback is required, program the required tunes using the remote control. (See page 27.)
 - Select tunes with a total playing time which does not exceed the tape length.
- ⑤ Press the ○ REC button with the ▶ PLAY button; synchronized recording will start.

- Non-recorded sections of approx. 4 seconds are automatically left between tunes.
- When the tape reaches the end first, the CD player stops automatically; when the CD player stops first, the tape continues running. In this case, press the ■/▲ STOP/EJECT button to stop the tape.
- When automatic spacing between tunes is not required ...
 - Perform the following after finishing the previous operation (① to ④).
 - ① Press the ▶/II PLAY/PAUSE button of the CD player twice. The CD player enters the pause mode.
 - ② Press the ○ REC and ▶ PLAY buttons simultaneously. Now, the CD player starts playback simultaneously.

DUBBING (SYNCHRO START DUBBING)

Normal and high-speed dubbing can be done from Deck B to Deck A.

Operate in the order shown



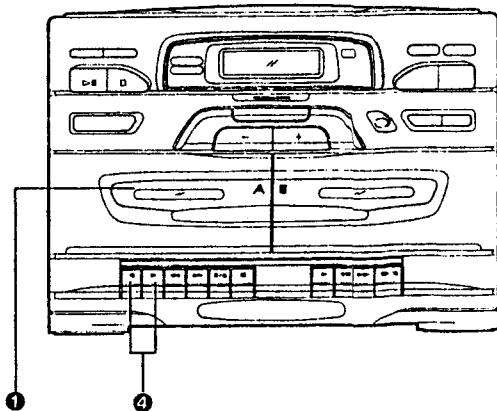
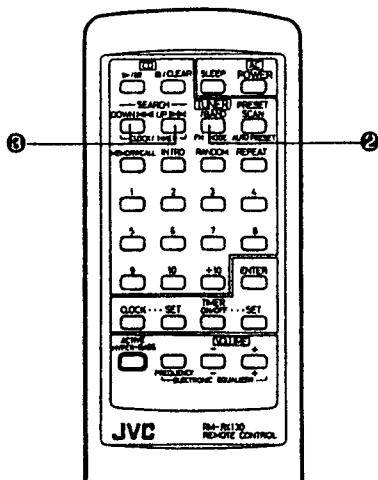
- ① Load a cassette tape in deck A. (Refer to the note on page 38.)
- ② Load a pre-recorded cassette tape in deck B.
 - Slightly press the ▶ PLAY button to set to TAPE mode. (The button should not be locked.)
- ③ Set to NORMAL SPEED or HIGH SPEED.
- ④ Set to correspond to the type of tape in Deck B.
- ⑤ Press the II PAUSE button.
- ⑥ Press the ○ REC button with the ▶ PLAY button (Record-pause mode.)
- ⑦ Press the ▶ PLAY button. (Synchronized dubbing will start.)

Notes:

1. Television receivers placed close to this unit may cause interference on the recorded signal when this unit is used in the high-speed dubbing mode. If this happens, either turn off the television receiver or use the normal speed dubbing mode.
2. With Deck A in the record-pause mode, the II PAUSE button is released when Deck B enters the stop mode.

Recording from the radio

Operate in the order shown

**Erasing**

When recording on a pre-recorded tape, the previous recording is automatically erased and only the new material can be heard when the tape is played.

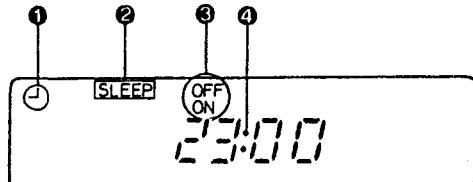
To erase a tape without making a new recording ... Slightly press the ▶ PLAY button of the deck to set to the TAPE mode and press the ○ REC and ▶ PLAY buttons together after pressing the stop button.

- ① Load a cassette. (Deck A)
- ② Press the TUNER/BAND button.
- ③ Tune to the required station.
- ④ Press the ○ REC button with the ▶ PLAY button.
 - To stop recording temporarily, press the II PAUSE button. To resume recording, press the II PAUSE button again.

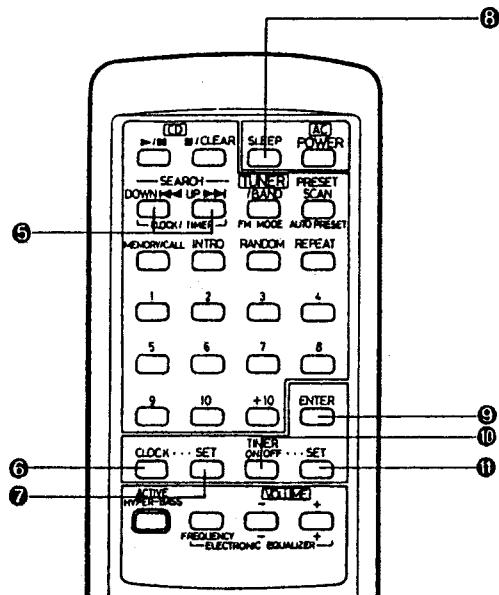
CLOCK ADJUSTMENT

(Using the remote control)

Names of parts in the clock/time section, and their functions:

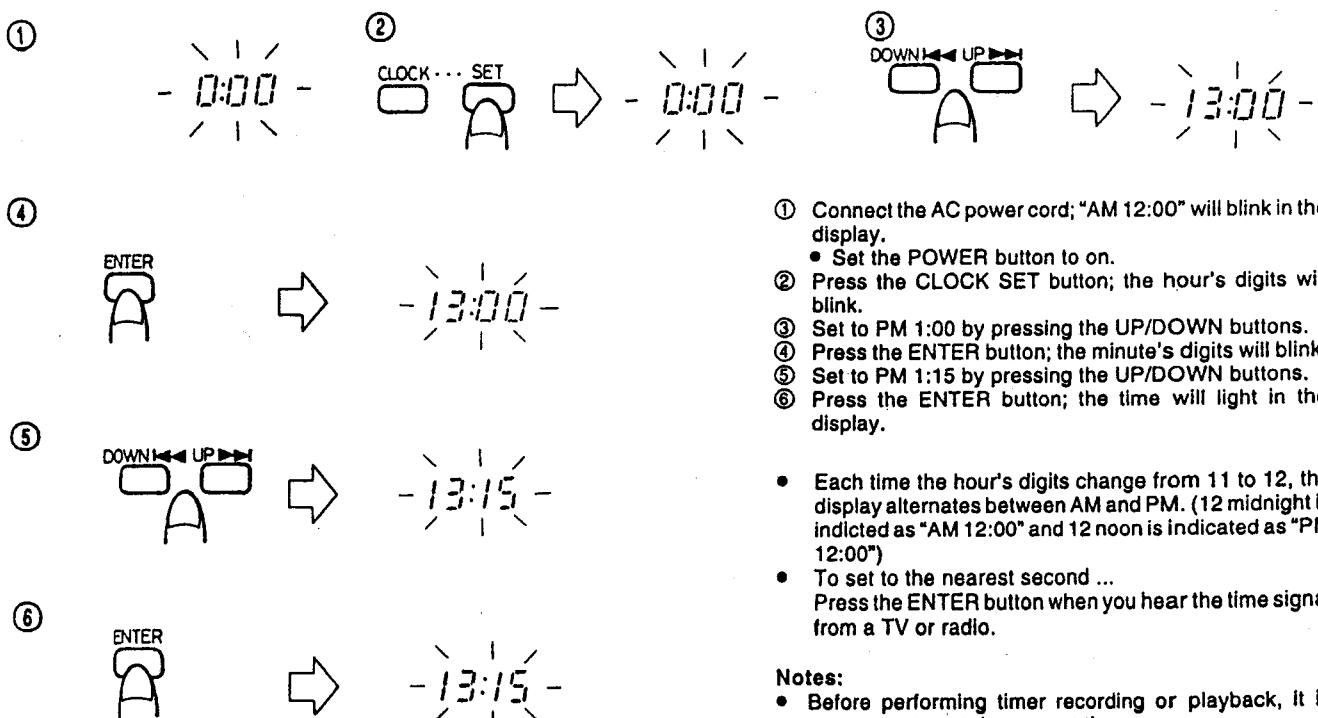


- ① Timer mode Indicator
- ② SLEEP Indicator
- ③ Timer indicator (ON/OFF)
- ④ Time display
- ⑤ DOWN/UP button
(Used to set the time and timer)
- ⑥ CLOCK button
- ⑦ CLOCK SET button
- ⑧ SLEEP button
- ⑨ ENTER button
- ⑩ TIMER ON/OFF button
- ⑪ TIMER SET button



Setting the current time
(when the PC-X130 is used first time)

(Example: to set the clock to PM 1:15)



① Connect the AC power cord; "AM 12:00" will blink in the display.

② Set the POWER button to on.

③ Press the CLOCK SET button; the hour's digits will blink.

④ Set to PM 1:00 by pressing the UP/DOWN buttons.

⑤ Press the ENTER button; the minute's digits will blink.

⑥ Set to PM 1:15 by pressing the UP/DOWN buttons.

⑦ Press the ENTER button; the time will light in the display.

• Each time the hour's digits change from 11 to 12, the display alternates between AM and PM. (12 midnight is indicated as "AM 12:00" and 12 noon is indicated as "PM 12:00")

• To set to the nearest second ...

Press the ENTER button when you hear the time signal from a TV or radio.

Notes:

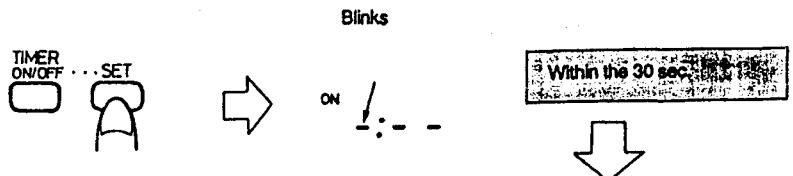
- Before performing timer recording or playback, it is necessary to set the current time.

- Press the CLOCK button to display the current time during CD play, tape play or radio reception. The current time will be displayed for 10 seconds after which the display returns to the previous mode.

TIMER OPERATIONS

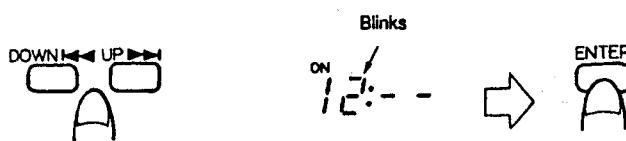
Setting the timer

- The current time must be set before the timer can be used.
- ① Set the POWER button to on.**
- ② Press the TIMER SET button.**

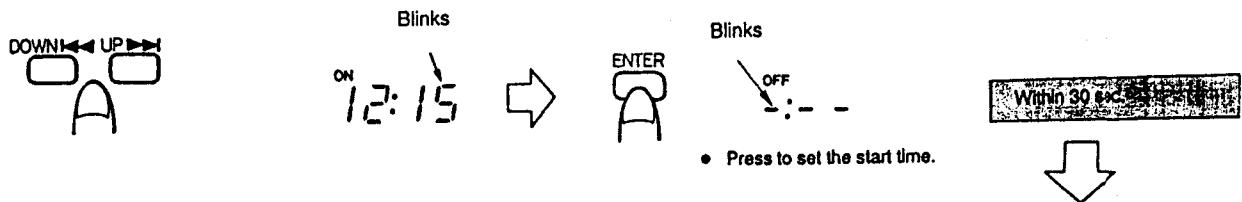


- ③ Set the start time.**
(Example: when the timer start time is set to PM 12:15)

- Adjust the hours.

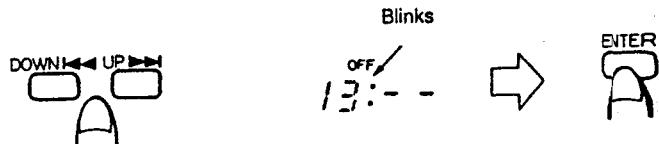


- Adjust the minutes.

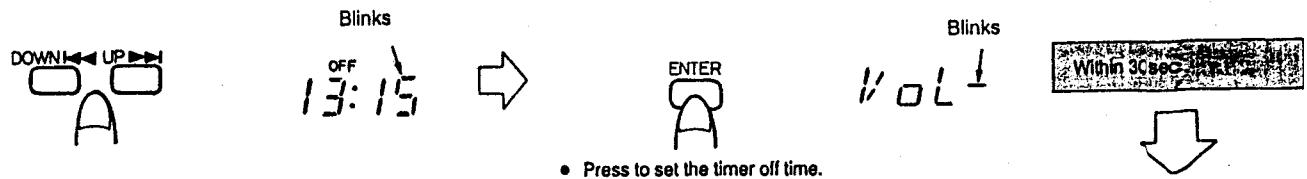


- ④ Set the stop time.**
(Example: when the timer stop time is set to PM 1:15)

- Adjust the hours.



- Adjust the minutes.



- ⑤ Set the volume.**



VOL 15

This shows when volume level 15 is selected.



- The selected volume is set.

The playback level is determined by the position of VOLUME control.

When the UP button is used to select the volume

VOL - → VOL 0 → VOL 15 → VOL 25

The volume decreases to zero at the timer start time, and the sound fades in.

- The unit enters the previously engaged mode and timer setting is completed.

• To check the timer setting

1. Press the TIMER ON/OFF button.
2. When the previous engaged mode is displayed, timer setting has been completed.

Notes:

- When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.
- When the timer is set, ":-:" in the display is replaced by the input digits.
- When the timer stop time is not set, the timer operates for 2 hours and then the unit is switched off. To continue listening after the timer stop time, display the timer stop time, change the hours digits to ":" using the UP button and press the ENTER button.

Timer recording

- The current time must be set correctly before you set timer recording.
- Make sure that the erase protection tabs of the cassette have not been broken off.

Operations

1. Set the POWER button to on.
2. Load a cassette in Deck A.
 - Insert the cassette with the side to be recorded facing out.
3. Set the timer start and stop times, then set the required volume, in this order. (Refer to "Setting the timer" on page 46.)
 - Set the timer about a minute before the broadcast to be recorded is scheduled to start.
4. Press the TUNER/BAND button.
 - Tune to the station to be recorded. (Refer to page 33.)
5. Set the POWER button to STANDBY.
6. Press the REC and PLAY buttons of deck simultaneously.

Note:

Timer recording will start at the preset start time. The power will not be switched off at the timer-off time during tape operation, but will be switched off when the tape ends.

• To cancel timer operation

Set the POWER button to on, then press the TIMER ON/OFF button so that the timer mode indicator (⌚) goes out.

If you do this, timer recording will not start at the timer start time.

Note:

Once the timer has been set, the start and stop times, etc., are stored in memory. When timer recording or playback is required at different times, the timer must be set again.

- After setting the timer start and stop times, check that the unit is tuned to the required frequency.

Timer playback

- Timer playback of tapes, broadcasts and CDs is possible.

Operations

1. Set the POWER button to on.
2. Set the timer start and stop times, then set the volume, in this order. (Refer to "Setting the timer" on page 46.)
3. Select the source sound.

Source sound	Timer mode	Operations
CD play	CD	Load a disc and press the STOP/CLEAR button to set the CD mode.
Tape playback	TAPE	Load a cassette tape.
Radio broadcast	TUNER	Press the TUNER/BAND button to set to the tuner mode and tune to the required frequency.

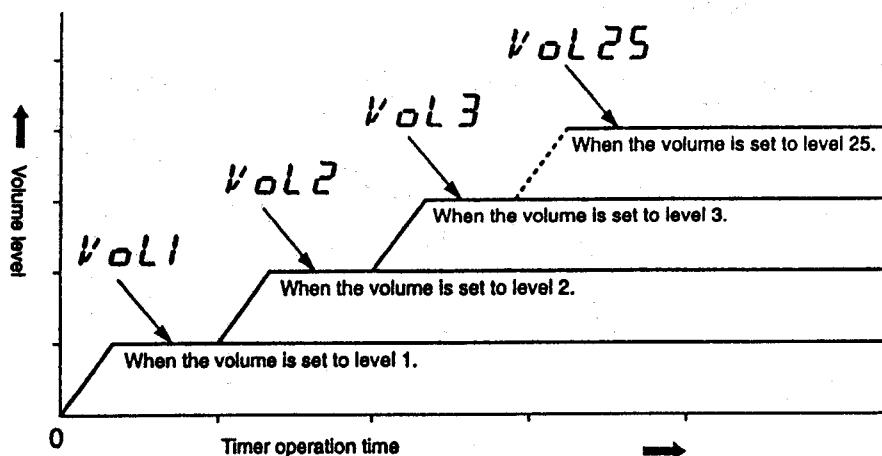
- Timer playback of a CD is possible in programmed order. (See page 27.)
- The volume can be set to 25 different levels.
- 4. Switch the power off.
(When performing the timer playback of tape, press the PLAY button of the deck.)

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time. (Tuner or CD)

The power will not be switched off at the specified time during tape operation and will be switched off at the tape end.

The unit remains in the same timer mode even after the power is switched off and the same timer function will be repeated at the same time on the following day.

- Volume setting and fade-in operation



SLEEP OPERATIONS

Use this when you want to fall asleep while listening to a tape, radio broadcast or CD.

- ① Set to the required source.

	Operations
Radio broadcast	Press the TUNER/BAND button to set to the tuner mode and tune to the required frequency.
CD play	Load a disc and press the ▶/II button to play the disc.
Tape playback	Load a cassette and press the ▶ PLAY button to play back the tape.

- ② Press the SLEEP button to set to the sleep time.



- Sleep times of 30, 60, 90 or 120 minutes can be set.

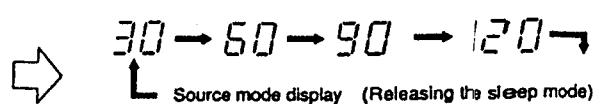
When you release the SLEEP button, the source is displayed after 10 sec.

- To cancel timer operation

Set the POWER button to on, then press the TIMER ON/OFF button so that the timer mode indicator (①) goes out.

Notes:

- When the volume setting is set to "Vol -" (volume level is not specified), the timer playback volume is set to that of before setting the timer.
- To stop during timer playback, press the POWER button to switch the unit off.
- In the fade-in mode, the volume gradually increases from zero.



- The sleep operation will start and the power will be switched off after the specified time. (Tuner & CD modes)

The power will not be switched off at the specified time during tape operation and will be switched off at the tape end.

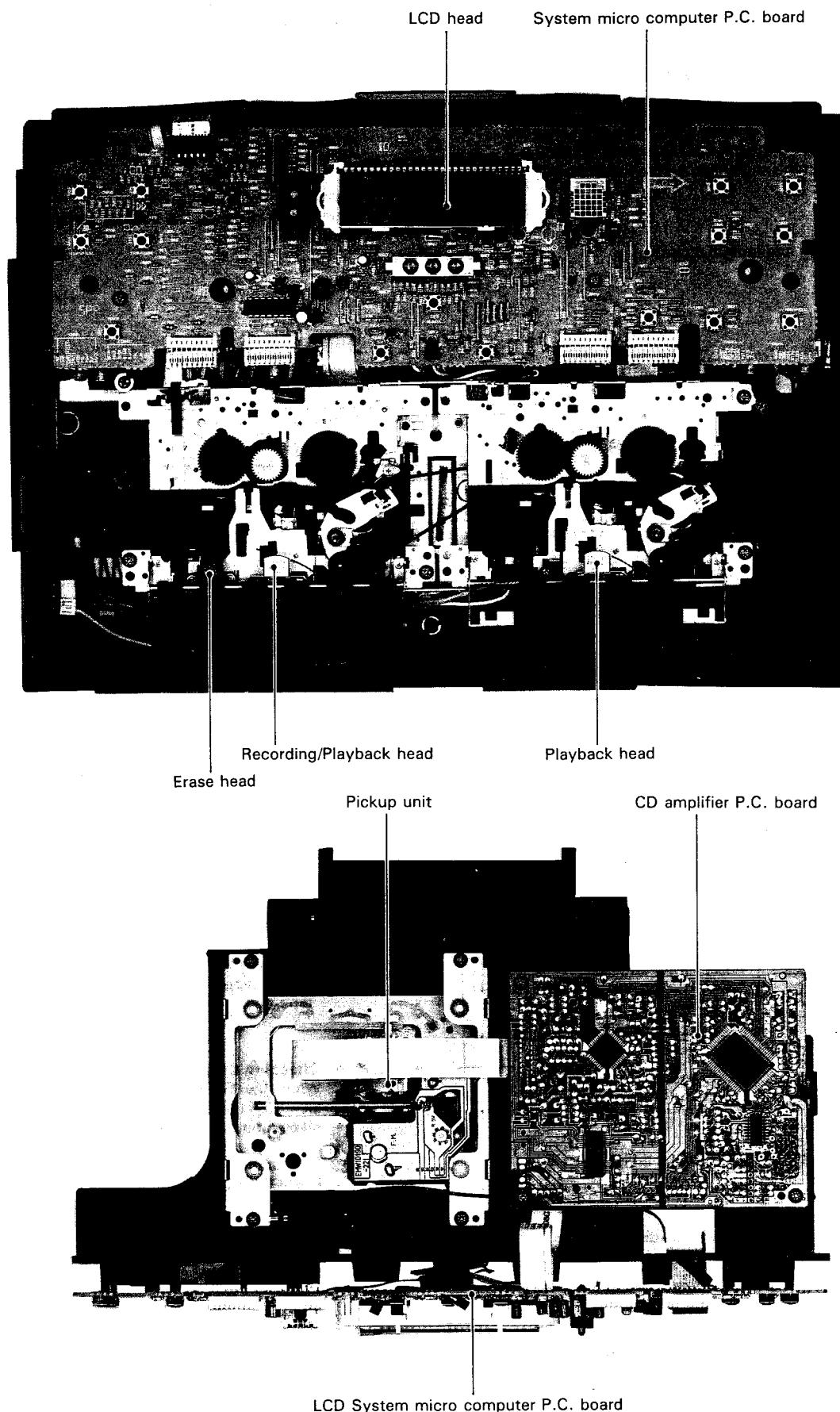
- Checking the sleep time

When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.

- To cancel the sleep operation

Press the POWER button to switch the power off.

Location of Main Parts



5. Removal of Main Parts

■ Front Cover Assembly (refer to Fig.1, 2)

1. Remove the six screws ① retaining the rear cabinet assembly of the body.
2. Remove the two screws ② retaining both sides of the rear cabinet assembly.
3. Press the eject buttons on both sides A and B and open the cassette door.
4. Turn the front cover upward and dismount the front cover assembly from the body.

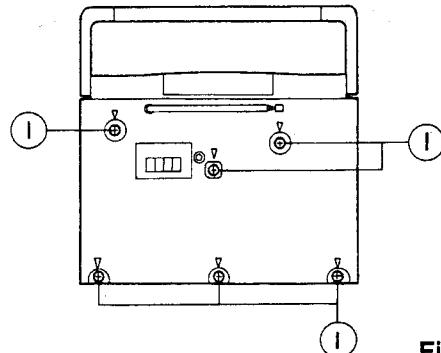
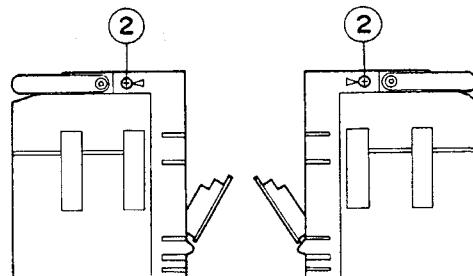


Fig. 1



Push eject button
Open the door.

Fig. 2

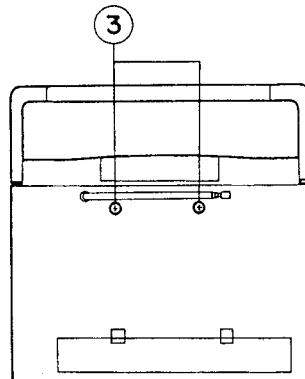


Fig. 3

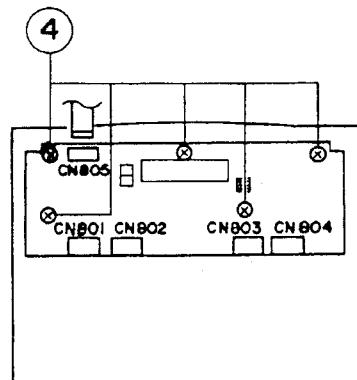


Fig. 4

■ LCD P.C. Board (refer to Fig.4)

1. Remove the five screws ④ retaining the LCDP.C. board from the CD player assembly.
2. From the connector CN805 on the LCD P.C. board, disconnect the parallel wire outgoing from the connector FW601 on the CD amplifier P.C. board.

■ CD Amplifier P.C. Board (refer to Fig.5)

1. Remove the three screws ⑤ retaining the CD amplifier P.C. board from the CD player chassis.
2. From the connector P011 on the CD mechanism P.C. board, disconnect (remove) the #6PIN connector outgoing from the CD amplifier P.C. board.
3. From the connector CN501 on the CD amplifier P.C. board, remove the parallel wire outgoing from the CD pickup P.C. board.

■ CD Mechanism Assembly (refer to Fig.5)

Remove the four screws and ⑦ retaining the CD mechanism assembly.

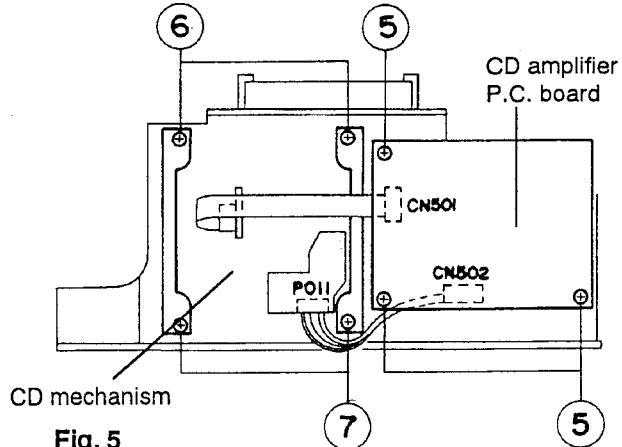


Fig. 5

■ Cassette Mechanism Assembly (refer to Fig.6)

1. Remove the four screws ⑧ retaining the cassette mechanism assembly.
2. From the connector CNA31 on the main P.C. board, disconnect the #3PIN connector outgoing from the replay head of the cassette mechanism B.
3. From the connector CNA32 on the main amplifier P.C. board, pull out the #2PIN and #5PIN connectors outgoing from the deletion, recording and replay heads of the cassette mechanism A.
4. Pull out the black and gray wires, and the red and pink wires outgoing from the replay select switch, yellow and brown wires outgoing from the recording select switch of the cassette mechanism A, as well as the white and violet wires and blue and orange wires outgoing from the replay select switch of the cassette mechanism B respectively from the connector CNA35 on the main amplifier P.C. board.
5. From the connector CNA36 on the main amplifier P.C. board, pull out the #4PIN parallel wire outgoing from the drive motor.

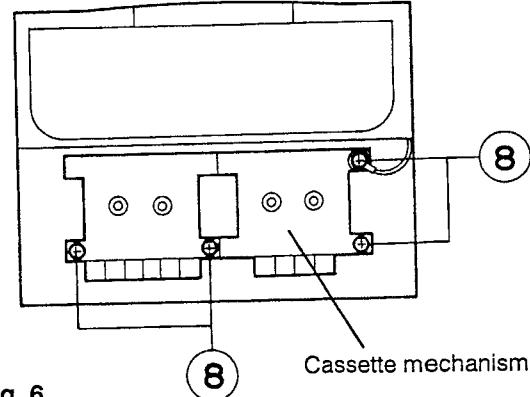


Fig. 6

■ Main Amplifier P.C. Board (refer to Fig. 7)

1. Remove the four screws (⑨ and ⑩) retaining the main amplifier P.C. board.
2. From the test point TP1 on the main amplifier P.C. board, pull out the black wire outgoing from the rod antenna.
3. Battery contact P.C. board (peel off the bond fixing the rear cover. Then, it is possible to pull out the main amplifier P.C. board together with the battery contact P.C. board)

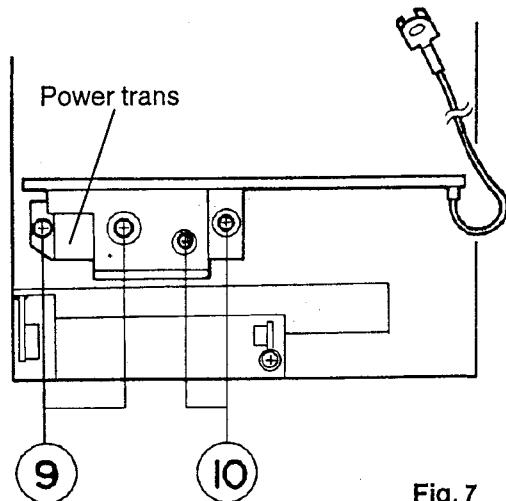


Fig. 7

■ Heat sink (refer to Fig. 8)

1. Remove the two screws ⑪ retaining the IC101 and IC201 from the heat sink.
2. Remove the two screws ⑫ retaining the transistor (Q901 and Q921)from the heat sink.
3. Remove the heat sink from the main P.C. board.

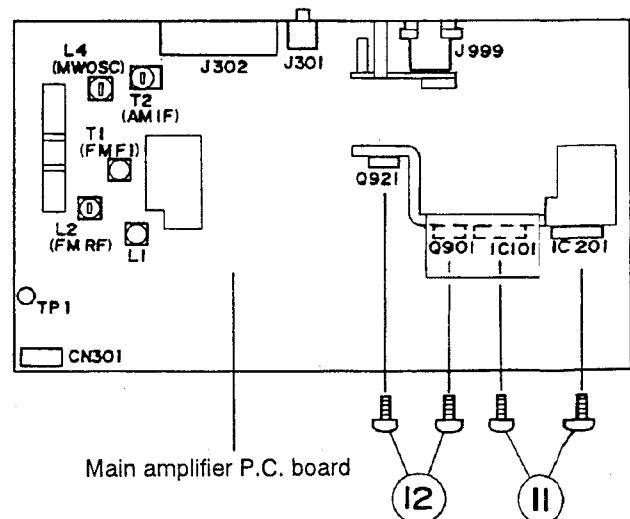


Fig. 8

Analytic Drawing and Parts List

1

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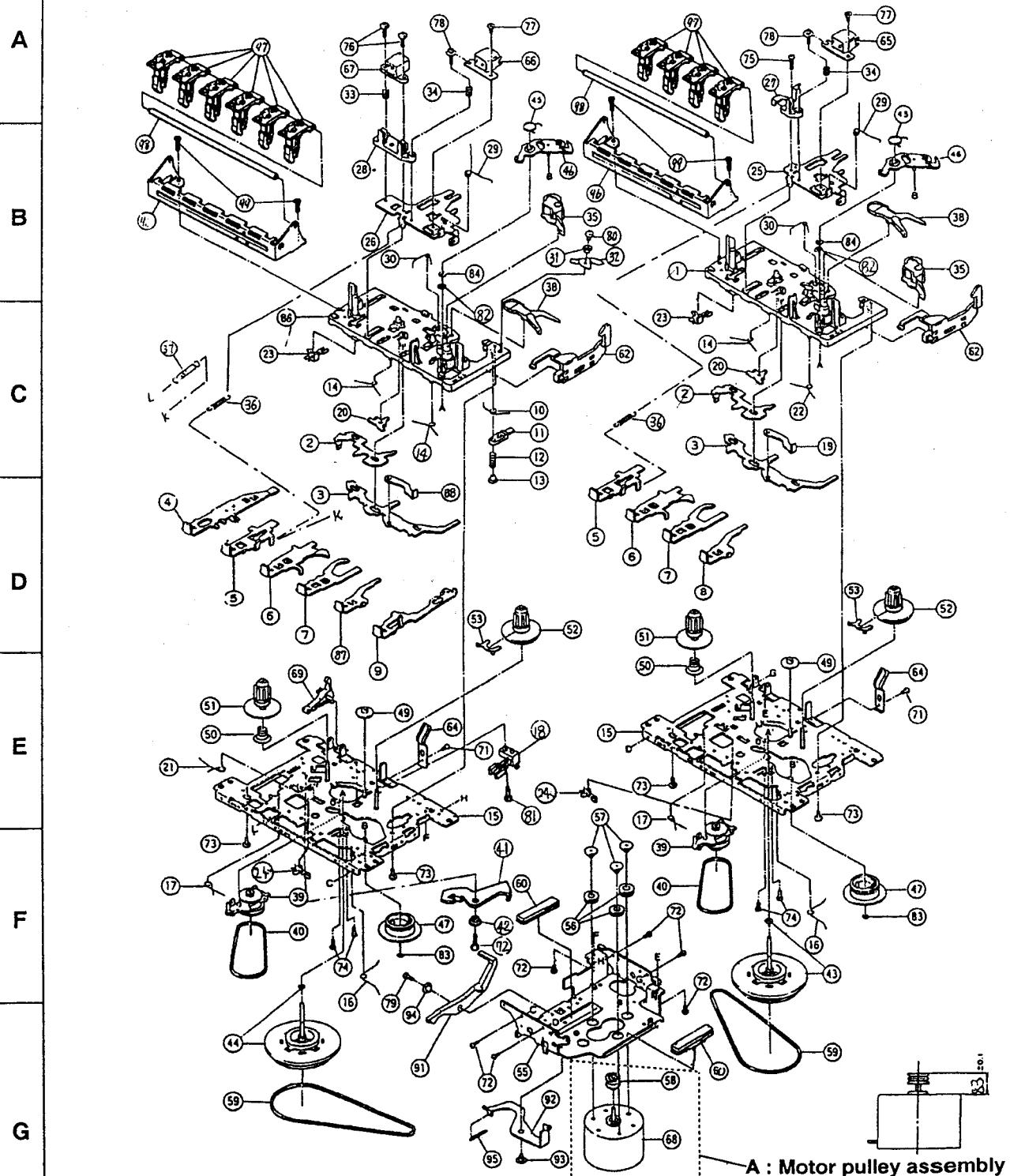
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■ Analytic Drawing of Cassette Mechanism : Block No. M1



■ Mechanism assembly parts list

BLOCK NO. M1MM

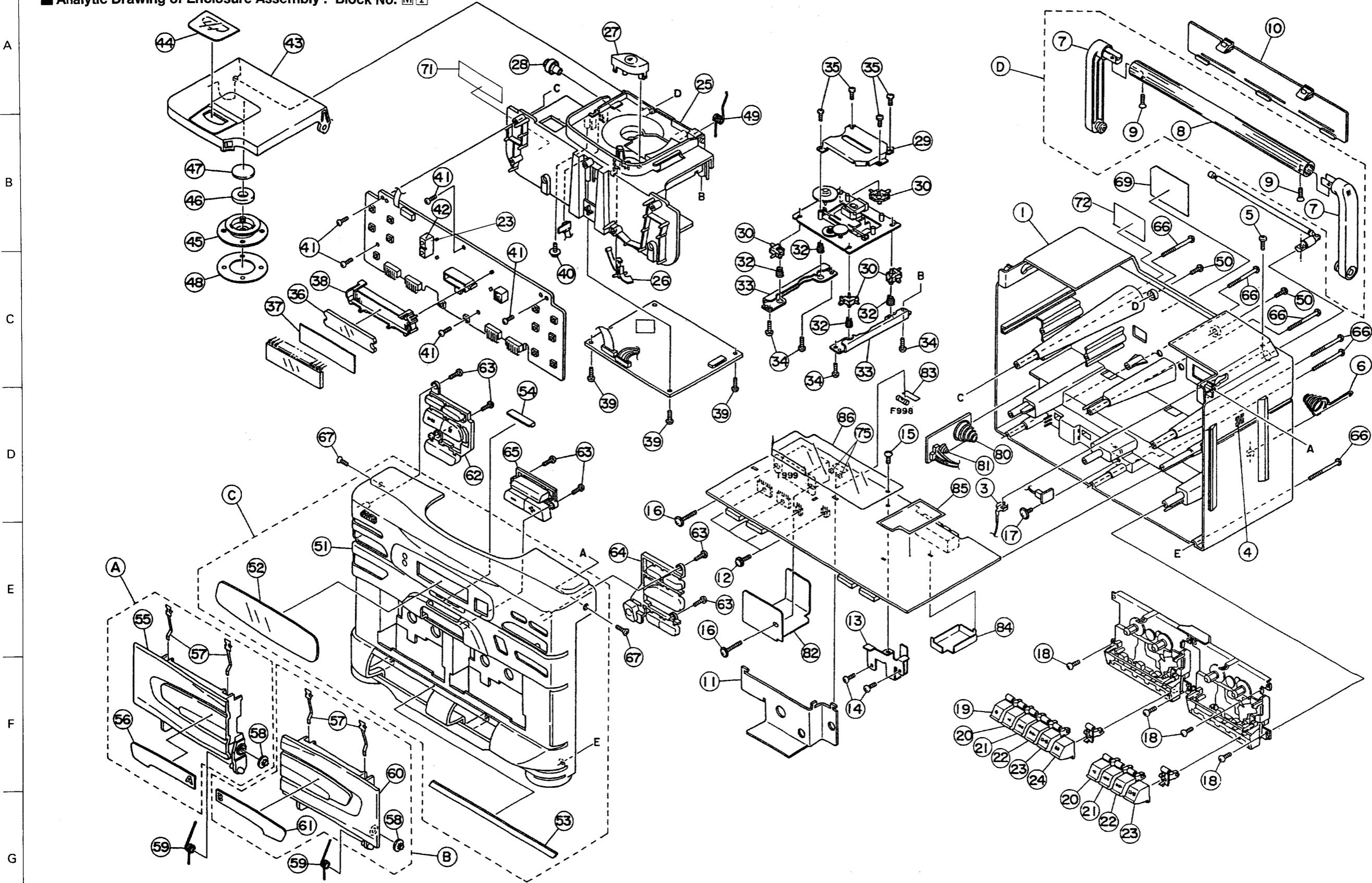
REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
A	1921123187T	CAPSTAN MOTOR	REF.58,68	1	
1	192114301ZT	DISK BASE		1	
2	19211409T	SWITCH PLATE		2	
3	19211438T	LOCK CAM		2	
4	19211422T	PUSH LEVER	ACTUATER REC.	1	
5	19211484T	PUSH LEVER	PLAY	2	
6	19211424T	PUSH LEVER	REW	2	
7	19211425T	PUSH LEVER	FF	2	
8	19211426T	PUSH LEVER	STOP	1	
9	19211461T	PUSH LEVER	PAUSE	1	
10	19211413T	SPRING	P.CONTROL	1	
11	19211455T	PAUSE LEVER		1	
12	19211412T	SPRING		1	
13	19211411T	LOCK STOPPER		1	
14	19211414T	SPRING		3	
15	192101501ZT	CHASSIS BASE		2	
16	19211416T	SPRING	E.ACTUATER	2	
17	19211417T	SPRING	PS.LEVER	2	
18	64010138T	LEAF SWITCH		1	
19	182101159T	EJECT LEVER		1	
20	19211420T	ARM STOPPER		2	
21	19211449T	SPRING	REC.BUTTON LEV.	1	
22	19211433T	SPRING	BUTTON LEVER	1	
23	MSW-1541T	LEAF SWITCH		2	
24	640101161T	LEAF SWITCH		2	
25	19210311T	HEAD PANEL		1	
26	19210314T	HEAD PANEL		1	
28	19210306T	HEAD BASE		1	
29	19210309T	SPRING		2	
30	19211418AT	SPRING		2	
31	19211437T	COLLAR		1	
32	19211434T	CONTROL ARM		1	
33	18210308T	SPRING		1	
34	18210307T	SPRING	AZIMUTH	2	
35	192104306T	PINCH ROLLER		2	
36	18210150T	SPRING	P.BUTTON LEVER	2	
37	18211311T	SPRING	E.SLIDE LEVER	1	
38	19212604TT	KICK LEVER		2	
39	192107308T	R.F.CLUTCH		2	
40	18210711T	FR BELT		2	
41	19210201T	RECORDING ARM		1	
42	19211437T	COLLAR		1	
43	192109318T	FLYWHEEL		1	
44	192109317T	FLYWHEEL		1	
45	19212605T	SPRING	GEAR PLATE	2	
46	192126502ZT	GEAR PLATE		2	
47	19212602T	CAM GEAR		2	
49	18211070T	IDLER GEAR		2	
50	18291010T	SPRING	BACK TENSION	2	
51	192105304T	SUP.REEL DISK		2	
52	192105303T	T.U.REEL DISK		2	
53	19210506T	ADJUST RING		2	
55	19211211T	MOTOR BRACKET		1	
56	18211266T	RUBBER BUSHING		3	

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
57	18511418T	SCREW	MOTOR COLLER	3	
58	19211213T	MOTOR PULLEY		1	
59	19210923T	CAPSTAN BELT		2	
60	182112126T	FELT		2	
62	19211302T	SLIDE LEVER		2	
64	18291001T	SPRING		2	
65	MS15R-AA2N1	PB HEAD		1	
66	MS15R-AA2N1	R/P HEAD		1	
67	LE15A-C1	ERASE HEAD		1	
68	60020222T	CAPSTAN MOTOR		1	
69	18211069T	KICK LEVER		1	
71	91790000T	SCREW	M2X3	2	
72	91800000T	SCREW	M2X4	7	
73	96790000T	SCREW	M2X5	4	
74	99991809T	SCREW	M2X4.5	6	
75	90040000T	SCREW	M2X6	1	
76	92230000T	SCREW	M2X7.5	2	
77	91150000T	SCREW	M2X3	2	
78	99220000T	SCREW	M2X7:AZIMUTH	2	
79	91820000T	SCREW	M2X6	1	
80	99992041T	SCREW	M2X3	1	
81	91810000T	SCREW	M2X5	1	
82	99990003T	POLY WASHER		2	
83	94220000T	WASHER		2	
84	99990313T	WASHER		2	
86	192114316T	BUTTON BASE		1	
87	19211466T	BUTTON LEVER		1	
88	19211464T	KICK LEVER		1	
91	19211209T	KICK LEVER		1	
92	18211268T	KICK LEVER		1	
93	18211223T	SCREW		1	
94	18211265T	COLLAR		1	
95	18211312T	SPRING		1	
96	18213106T	FRAME		2	
97	18213107T	SELECT LEVER		10	
98	18293103T	SHAFT		2	
99	99991402T	SCREW	M2X8	4	

1 2 3 4 5 6 7 8 9 10

■ Analytic Drawing of Enclosure Assembly : Block No. M 2



■ Enclosure Assembly Parts List

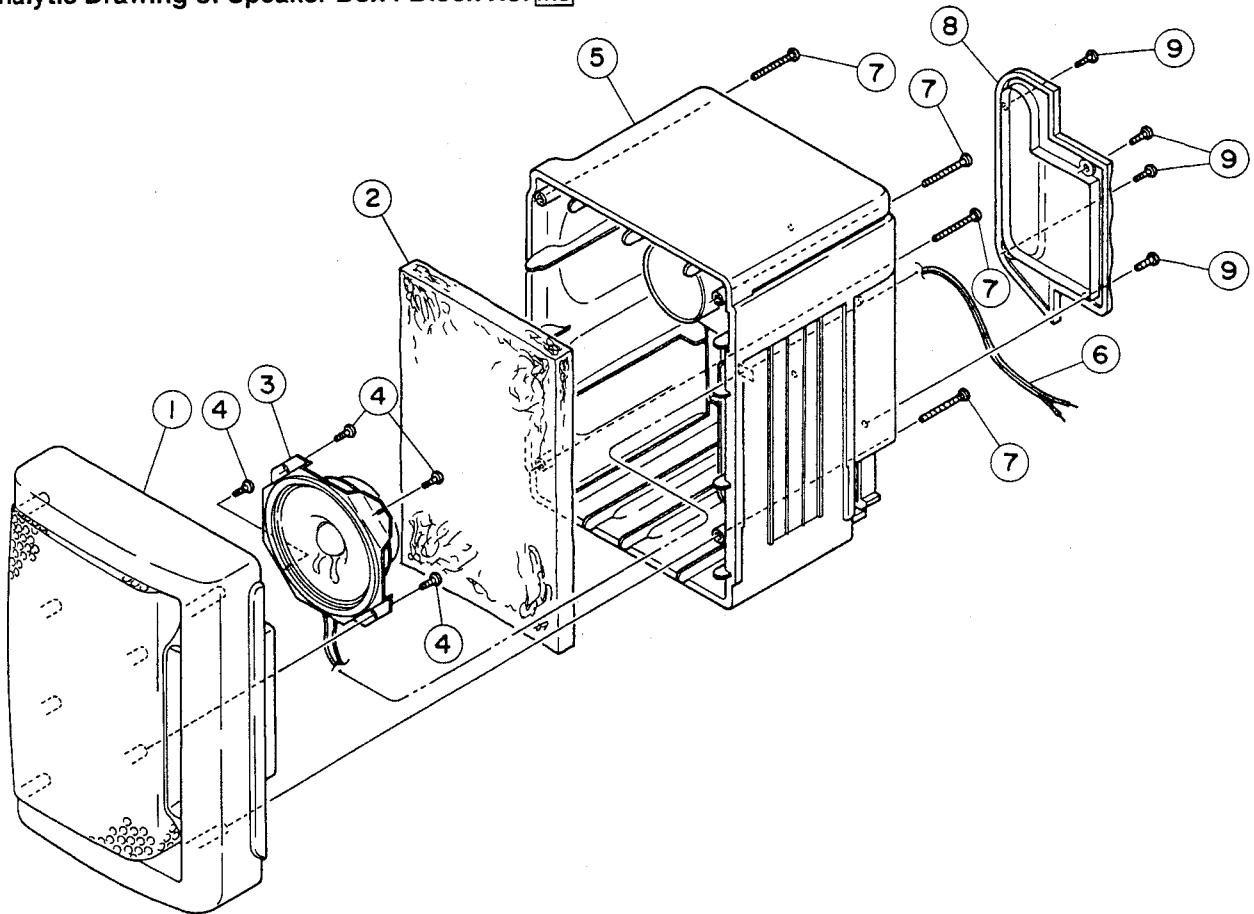
BLOCK NO. M2MM1111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
	A	ZCPRX130K-CBA	CASSETTE CASE	REF.55-57	1	
	B	ZCPRX130K-CBB	CASSETTE CASE	REF.57,60,61	1	
	C	ZCPRX130K-FB	FRONT CABINET	REF.51-53	1	
	D	PCX130K-HANDLE	HANDLE	REF.7,8	1	
	1	FSJC1003-002	REAR CABINET		1	
	2	VJA3006-00E	ROD ANTENNA		1	
	3	VYH5012-005SS	TERMINAL LUG		1	
	4	VYSH101-009	SPACER		1	
	5	SDSP3012N	SCREW		1	
	6	VYH5657-001	BATTERY SPRING	ROD ANT+REAR CA	1	
	7	VJH3061-002	HANDLE HOLDER		2	
	8	VJH4093-117SS	HANDLE PIPE		1	
	9	SHSF3012N	SCREW	HANDLE PIPE + H	2	
	10	VJC2016-023SS	BATTERY COVER		1	
	11	FSYH3003-001	HEAT SINK		1	
	12	DPSP3010Z	SCREW	P. TRANSISTOR+H.	4	
	13	FSKL4003-002	AC BRACKET		1	
	14	SBSF3012Z	SCREW	AC BKT+REAR CAB	2	
	15	SBST3006Z	SCREW	AC BKT + AMP PW	1	
	16	GBSF4020Z	SCREW	P. TRANS+REAR CA	2	
	17	E65923-003	SPECIAL SCREW	FOR BATTERY PWB	1	
	18	SBSF3012Z	SCREW	MECHA+REAR CABI	4	
	19	VXP3348-201	MECHA BUTTON	REC.	1	
	20	VXP3348-203	MECHA BUTTON	PLAY	2	
	21	VXP3348-204	MECHA BUTTON	REW	2	
	22	VXP3348-205	MECHA BUTTON	FF	2	
	23	VXP3348-206	MECHA BUTTON	STOP/EJECT	2	
	24	VXP3348-207	MECHA BUTTON	PAUSE	1	
	25	FSJD1002-001	CD CASE		1	
	26	VKS5416-001	LOCK ARM		1	
	27	VXP5160-003	SPRING		1	
	28	VYH4769-002	GEAR		1	
	29	VJD5410-005	PICK COVER		1	
	30	VYH6596-201	CD CUSHION	FOR CD MECHA	4	
	31	VKW4693-101	CONICAL SPRING	FOR CD MECHA	2	
	32	VKW4693-102	CONICAL SPRING	FOR CD MECHA	2	
	33	VKL7209-002	CD MECHA HOLDER		2	
	34	SBSF3012Z	SCREW	CD ASS'Y+CD CAS	4	
	35	SDSF2006M	SCREW	CD MECHA+PICK C	4	
	36	FSYH4005-001	SCREW		1	
	37	FSJK4001-002	LENS		1	
	38	FSYH4006-001	LCD HOLDER		1	
	39	SBSF3012Z	SCREW	CD AMP PWB +CD	3	
	40	GBSF3010Z	SCREW		1	
	41	SBSF3012Z	SCREW	CONT.PWB+CD CAS	6	
	42	FSYH4015-001	LED REFLECTOR		1	
	43	FSJT1001-001	CD DOOR		1	
	44	FSJD4003-001	CD LENS		1	
	45	VYH3644-201	CLAMPER		1	
	46	VYH7313-001R	MAGNET		1	
	47	VYH7314-001	YOKE		1	
	48	VYH7315-004	PAD		1	
	49	VKW5034-001	CD DOOR SPRING		1	
	50	SBSF3014Z	SCREW	CD CASE + REAR	2	
	51	FSJC1005-002	FRONT CABINET		1	

BLOCK NO. M2MM

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
	52	FSJD3001-001	LCD LENS		1	
	53	FSJD3002-002	CONTROL PLATE		1	
	54	FSYH4016-001	LED LENS		1	
	55	FSJT2002-001	CASSETTE DOOR(A)		1	
	56	FSJT3001-001	CASSETTE LENS(A)		1	
	57	VKY4180-001	CASSETTE SPRING		2	
		VKY4180-001	CASSETTE SPRING		2	
	58	VYH5601-001	GEAR		1	
		VYH5601-001	GEAR		1	
	59	FSKW4001-001	DOOR SPRING		1	
	60	FSKW4001-001	DOOR SPRING		1	
	61	FSJT2002-002	CASSETTE DOOR(B)		1	
	62	FSJT3001-002	CASSETTE LENS(B)		1	
	63	FSXP3001-001	CD BOTTON		1	
		SBSF2608Z	SCREW	FOR CD BUTTON	2	
		SBSF2608Z	SCREW	FOR TUNER BUTTO	2	
		SBSF2608Z	SCREW	FOR VOL BOTTUN	2	
	64	FSXP3002-001	TUNER BUTTON		1	
	65	FSXP3003-002	VOLUME KNOB		1	
	66	SBSF3050Z	SCREW	F.CABI+R.CABINE	6	
	67	SSSF3010M	SCREW	F.CABI+R.CABINE	2	
	69	FSYN7001-014T	NAME PLATE		1	EN
		FSYN7001-010T	NAME PLATE		1	GI
		FSYN7001-005T	NAME PLATE		1	E
		FSYN7001-002T	NAME PLATE		1	B
	71	FSYN7001-008T	NAME PLATE		1	G
	72	VND4220-001	LASER CAUTION		1	
	73	VND4221-001	CLASS 1 LABEL		1	
	74	FSYH4018-001	LED HOLDER		1	
		VJF4003-003	FOOT		2	
	75	VMZ0087-001Z	FUSE CLIP I/M	SECONDARY F998	2	
		VMZ0087-001Z	FUSE CLIP I/M	SECONDARY F997	2	
	80	VYH5483-001	SPRING	FOR UM-1	1	
	81	VYH6889-002	BATTERY SPRING	FOR UM-3	1	
	82	FSYH4017-002	SHIELD		1	
	83	VND4003-076	FUSE LABEL	F998	1	
		VND4003-076	FUSE LABEL	FOR F997	1	
	84	VMA4482-002SS	SHIELD CASE		1	
	85	VMA4572-002	SHIELD		1	
F 997		QMF51E2-5R0J1	FUSE		1	
	F 998	QMF51E2-5R0J1	FUSE		1	
	T 999	VTP57P2-12C	POWER TRANS		1	

■ Analytic Drawing of Speaker Box : Block No. M3



■ Speaker box parts list

BLOCK NO. M3MM

▲	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
	1	FSJC2003-00A FSJC2002-00A	SP PANEL ASY(L) SP PANEL ASY(R)		1 1	
	2	FSYH4022-001	SOUND ABSOBER		1	
	3	VGS1001-017	SPEAKER	SP101	1	
	4	SBSF3010Z	SCREW	FOR SPEAKER	4	
	5	FSJC1008-001 FSJC1009-001	SP REAR CABI(L) SP REAR CABI(R)		1 1	
	6	VMP0040-002T	SPK CORD		1	
	7	FSYH4023-001	SCREW	FRONT+REAR	4	
	8	FSYH2001-001	COVER (L)		1	
	9	FSYH2001-002 SBSF3012M	COVER (R) SCREW	FOR COVER	1 4	

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**■ Analytic Drawing of
CD Mechanism
Block No. M4**

Greasing specifications by application point (a, b, C)

a : Grease No. G - 31KB
(Apply 0.3 mm 3 to the hole.)

b : Grease No. G - 31KB
(Apply the sliding part of the pickup unit.)

c : Grease No. G - 31KB
(Apply 0.4 mm 3 to the shaft after assembling
the pickup unit.)

☆ Apply locktight #460 or equivalent after installation of ⑦.

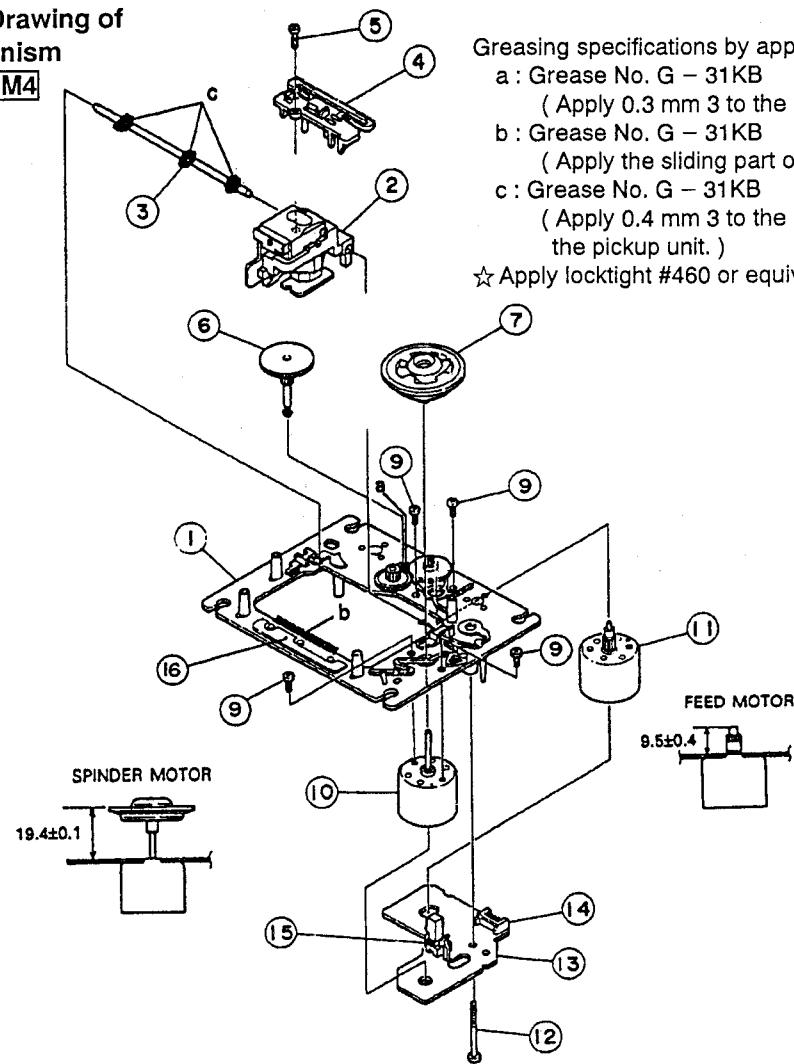
A

B

C

D

E



■ CD mechanism assembly parts list

BLOCK NO. M4MM

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX
	1	EPB-002A	MECHA BASE ASSY		1	
	2	OPTIMA-6S	OPTICAL PICK-UP		1	
	3	E406777-001	GUIDE SHAFT		1	
	4	E307746-001	CD RACK		1	
	5	SDSF2006Z	SCREW		1	
	6	EPB-003A	MECHA GEAR		1	
	7	E75807-301	TURN TABLE		1	
	9	SDSP2003N	SCREW		1	
	10	E406783-001	DC MOTOR		1	
	11	E406784-001SA	DC MOTOR ASSY		1	
	12	E75832-001	SPECIAL SCREW		1	
	13	EMW1090-001	PRINTED BOARD		1	
	14	EMV5109-006B	CONN.TERMINAL		1	
	15	ESB1100-005	LEAF SWITCH		1	
	16	E4072312-001	DAMPER		1	

7. Main Adjustments

■ Test Instruments required for adjustment

1. Low frequency oscillator
(oscillation frequency : 50Hz to 20kHz)
(Output : 0 dBs with 60 Ω terminator)
2. Attenuator(Impedance : 600 Ω)
3. Test Tapes
 - VTT712 : tape speed,wow & flutter measurement
 - VTT703L : Head azimuth
 - VMT7036 : 1k/10kHz reference level check
 - VTT751 : Cross talk check
 - VTT752 : playback channel check
4. Electronic voltmeter
5. Resistor : 600 Ω for attenuator matching
6. Distortion meter
7. Torque gauge : Cassette type for CTG - N
8. Wow and Flutter meter
9. Frequency counter

■ Measuring conditions (Amplifier section)

Supply voltage

: AC 230V(50Hz) ; PC - X130E/EN/G/GI
: AC240V(50Hz) ; PC - X130B

Battery DC : 12V

Back up battery : 4.5V

Reference output : Speaker ; - 10dBs (0.25V) / 8 Ω
: Headphone ; - 29dBs(28mV)/ 32 Ω

● Standard position of function switches

Function switch TAPE
Tape select switch NORMAL
Active hyper bass OFF
Dubbing speed switch NORMAL
Measuring point Headphone

● Standard position of volume control

Equalizer frequency(100 Hz, 1 kHz, 10 kHz) .. CENTER
Main volume adjust 13
Test tape for REC/PB Normal tape (UR8)

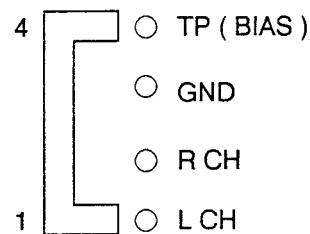
Standard test frequency

: 1 kHz (unless otherwise specified)

Reference input level : Test point CN301 ; - 18 dBs

For REC/PB, Check & measuring input use

: CN301; - 18.0 dBs (Component side)



Output for measuring unless otherwise specified

At headphone J301 with dummy load 32 Ω

■ Measuring condition (Radio section)

Reference output : Speaker ; 50mW(0.63 V) / 8 Ω

: Headphone ; 0.17mW(0.07V)/32 Ω

AM frequency 400Hz modulation 30%

FM frequency 400Hz modulation
frequency deviation 22.5kHz

● Standard position of switches and controllers

Function RADIO
Mode STEREO
Equalizer frequency CENTER
Active hyper bass Off

● Careful points for adjustment

1. Connect 30 pF capacitor and 33 k Ω resistor to the output side of the IF sweeper in series while 0.032 μ F capacitor and 1000k Ω resistor to the input side in series.
2. Set output level of the IF sweeper as minimum as adjustable.

■ Mechanism & Amplifier Sections

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Head azimuth adjustment	Test tape :VTT703L (10 kHz) Test point :Headphone (Dummy load 32 Ω)	Play test tape VTT703L(10kHz) and adjust the head azimuth so that output level is maximum and phase discrepancy is minimum between the two channels.	Output :maximum Phase difference :minimum	Head adjusting screw
Motor speed adjustment	Test tape : VTT712(3kHz) Test point : Headphone (Dummy load 32 Ω)	Play test tape VTT712 (3kHz) and near the end position. Should the following tape speed is out of specification, it is necessary to adjust the speed controller (external /semiifixed resistor).	Normal speed : 3010 ± 80 Hz High speed : 5400 ± 400 Hz	VRA61
Wow and flutter check	Test tape :VTT712(3kHz) Test point :Headphone (Dummy load 32 Ω)	Play test tape VTT712(3kHz) to tape start, middle and end position. Wow and flutter should be within the following allowance at the three positions.	Playback should be within 0.4% (JIS RMS)	—
Playback output level check	Test tape :VTT724(1kHz) Test point : Headphone (Dummy load 32 Ω)	1. Play test tape VTT724(1kHz) and switch the tape select to Metal position. The playback output level should be within – 1.5~ – 3.5 dB. 2. L, R difference level to be within ± 3 dB.	Within – 1.5~ – 3.5dB within ± 3 dB	—
Frequency response check	Test tape :TMT – 7036 (1kHz//10kHz)	Switch tape select to Normal position and volume at level 13 position. Play test tape TMT – 7036 then compare the level between 1 kHz and 10 kHz. Then defference level should be within $0\text{dB} \pm 3$ dB.	Difference of 10 kHz level from 1 kHz level : within 0 ± 3 dB	—

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Bias frequency adjustment	<ul style="list-style-type: none"> • Adjust : FM mode • Confirm : AM mode Test point :CN301	<p>Switch tape select to Normal position. In case that the bias frequency is out of specification, LA341 should be readjusted to standard and set to Tuner Rec. position for alignment.</p> <p>① Adjust bias frequency at FM mode. ② Confirm bias frequency at MW mode. ③ Confirm bias frequency at LW mode.</p>	Tuner frequency •FM / Bias frequency : 101.0kHz •AM522(M1) /Bias frequency : 97.2kHz • LW144(M6) /Bias frequency : 101.0kHz	LA341
Recording /playback frequency response check and adjustment	Test tape : UR(Normal tape) Test point : Headphone (Dummy load 32 Ω)	Select function to tape mode and volume at level 25 position. Reference level of – 20 dB, (1 kHz and 10 kHz) perform the REC/PB function. Play back the recorded signals, adjust VR41, so that the level of the 10 kHz signal is 0dB ± 2 dB to the level of the 1 kHz signal.	10 kHz : 0 ± 2 dB	VR41
Recording /playback sensitivity check	Test tape : UR(Normal tape) Input : CN301 Test point : Headphone (Dummy load 32 Ω)	Supply 1 kHz, – 18 dBs signal to the test point CN301 and record it. Play it back while checking that the level is within 0 ± 3 dB to the monitor level.	Reference level :Monitor level 0 ± 3 dB	—
Recording / playback distortion check	Test tape : UR(Normal tape) Input : CN301 Test point : Headphone (Dummy load 32 Ω)	Supply 1 kHz, – 18 dBs signal to the test point CN301 and record it. Play it back while checking that distortion is less than 5 %.	Less than 5 %	—

■ Tuner Section

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
AM IF tadjust and check (All version)	<ul style="list-style-type: none"> • Band select : MW or AM • Recieving frequency : Near the upper band edge where no signal comes in. • Volume control : Minimum gain position. • Tuner Input : Positive side to TP3 • Tuner output : Positive side to TP6 • Negative side to TP7 	<ul style="list-style-type: none"> • Adjust above mentioned aligning position, so that maximum and symmetrical wave from (See Fig.a) can be obtained, in this case, the wave peak should appear on the center marker(450kHz) in the scope of sweeper. • On the AM IF circuit, IF filter is solid units, so there is unnecessary for IF tuning. • In case if tuning may be needed (Repair etc.), do the above mentioned alignment. 		T2
FM IF adjust and check (All version)	<ul style="list-style-type: none"> • Band select : FM • Recieving frequency • Volume control : Minimum gain position. • Tuner input : Positive side to TP5 • Tuner output : Positive side to TP6 • Negative side to TP7 	<p>① Remove CF3 so that " S " curve may be changed to IF wave from as shown Fig. a. Adjust T1 farther more to obtain maximum and balanced wave from .</p> <p>② Put back CF3 so that " S " curve on the scope may obtain maximum and balanced wave from as shown Fig.b.</p> <p>* On the FM circuit, IF filter and discriminator is solid units so there is unnecessary for IF tuning. In case IF tuning may be needed (Repair etc.), do that above mentioned alignment.</p> <p>* Note for G/GI , E/EN version</p> <p>① As to " G/GI " , " E/EN " version, FM IF alignment is necessary.</p> <p>② Receive 98MHz, 22.5 kHz dev. Input level, about – 3dB limiting sensitivity level.</p> <p>③ Adjust T1, no farther improvement.</p>		T1

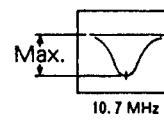


Fig.a

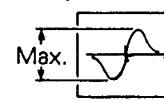


Fig.b

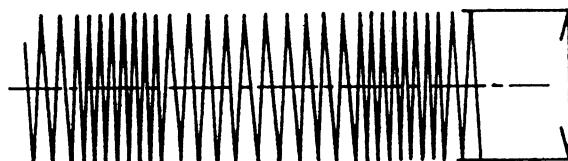
■ Tuner Section

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
LW RF tracking check and adjust (All version)	Band select : LW Tuner Input : Standard loop antenna Measuring point : TP9	<ul style="list-style-type: none"> Frequency of SSG :144kHz Number preset memory : Max. capacity(M6) 1. Adjust L6 to obtain $1.1V \pm 0.02V$at TP9. Frequency range : 144 kHz Receive 144 kHz(M6) 2. Receive 144kHz signal from an AM oscillator by the set while adjusting L5to maximize headphone output. Frequency range : 288kHz Recieve 288 kHz(M7) 3. Receive 288 KHz signal from an AM oscillator by the set while adjusting TC3 to maximize headphone output. 4. Repeat the above steps 2. and 3. to obtain maximum outputs respectively. 	$1.1V \pm 0.02V$ Output level :Maximum	L6 L5 TC3 L5, TC3
MW or AM RF tracking check and adjust (All version))	Band select : AM or MW Tuner Input : Standard loop antenna	<ol style="list-style-type: none"> Receive 603 kHz signal (preset No.3) from the AM oscillator by the set while adjusting L3 to maximize headphone output. Receive 1404 kHz signal from an AM oscillator by the set while adjusting TC2 to maximize headphone output. Repeat the above steps 1. and 2. to obtain maximum outputs respectively. 	Output level :maximum	L3 TC2 L3, TC2
FM RF tracking check and adjust (All version)	<ul style="list-style-type: none"> Band select : FM Tuner input : Dummy antenna for unbalance 75Ω Positive side to TP1 Negative side to TP2 	<ul style="list-style-type: none"> Receive 88 MHz signal (preset No.3) from an FM oscillator by the set while adjusting L2 to maximize headphone output . 	Output level : maximum	L2

■ CD player Section

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Tracking offset adjustment	Normal disc :CTS1000 Oscilloscope	<p>1. Connect an oscilloscope between TP503 (Hot side) and TP502 (Earth side).</p> <p>2. Shortcircuit between pin ② and pin ⑤ of FW501, and supply 8 V to pin ③ .</p> <p>3. Playback a normal disc.</p> <p>4. Shortcircuit between TP504 and TP502.</p> <p>5. Adjust VR501 so that DC level of tracking error signal becomes zero (observed by oscilloscope).</p>	Set the center of P – P to the DC zero level.	VR501

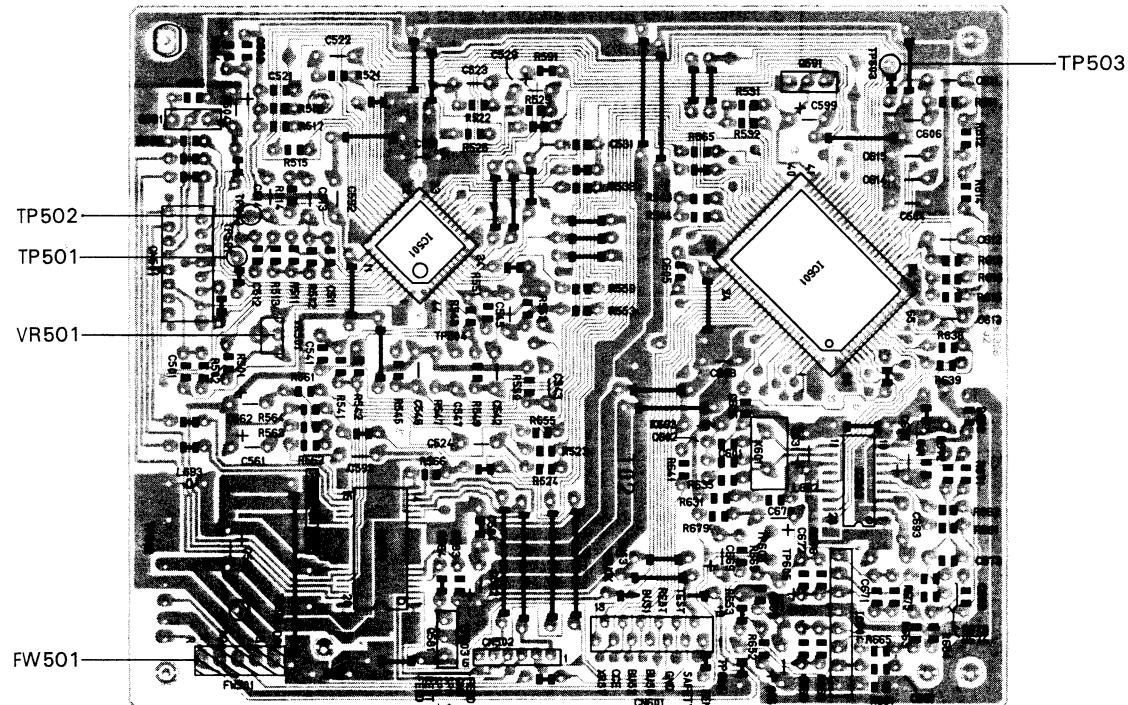
Tracking offset waveform



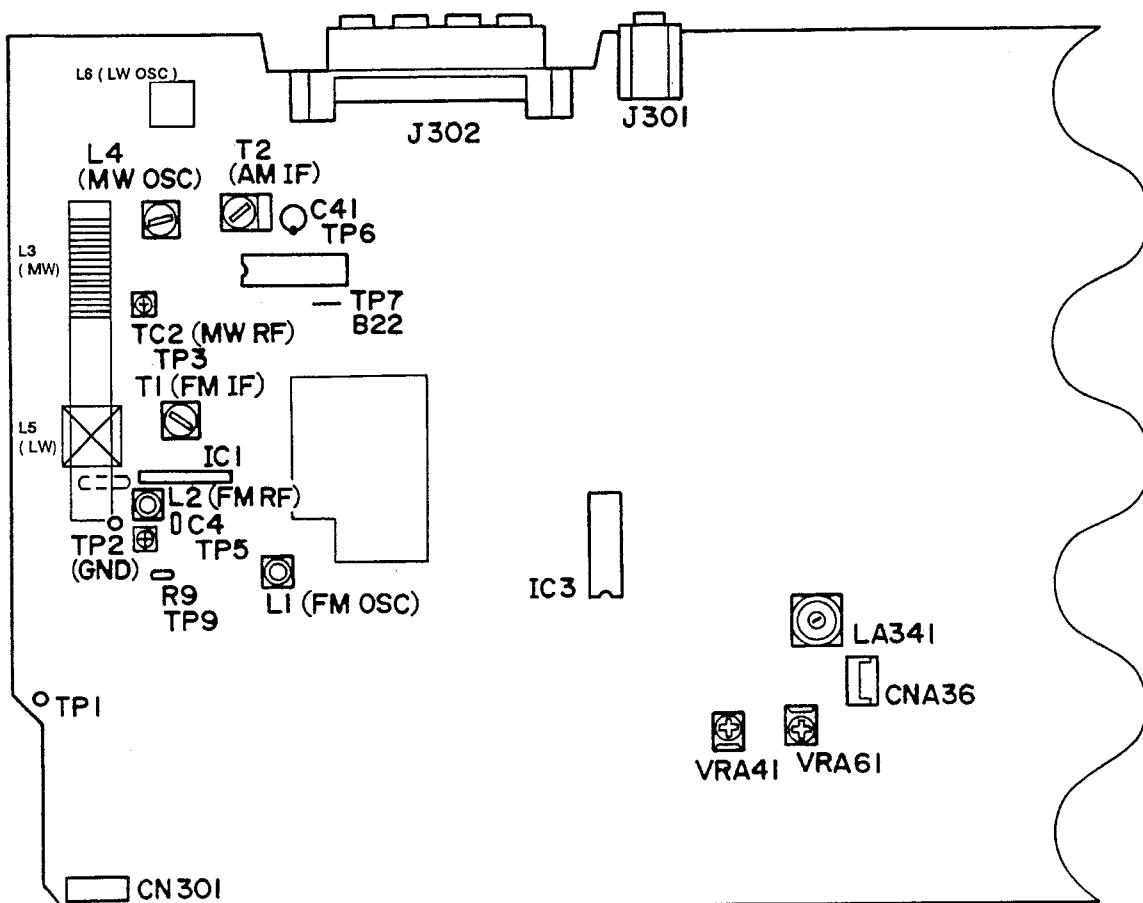
Set the center of P-P to the DC zero level.

Note : (1) Adjust VR501 so that the waveform is vertically symmetric with respect to the zero level.
 (2) Input to the oscilloscope should be DC coupling.

■ Arrangement of adjusting positions : CD amplifier P.C. board

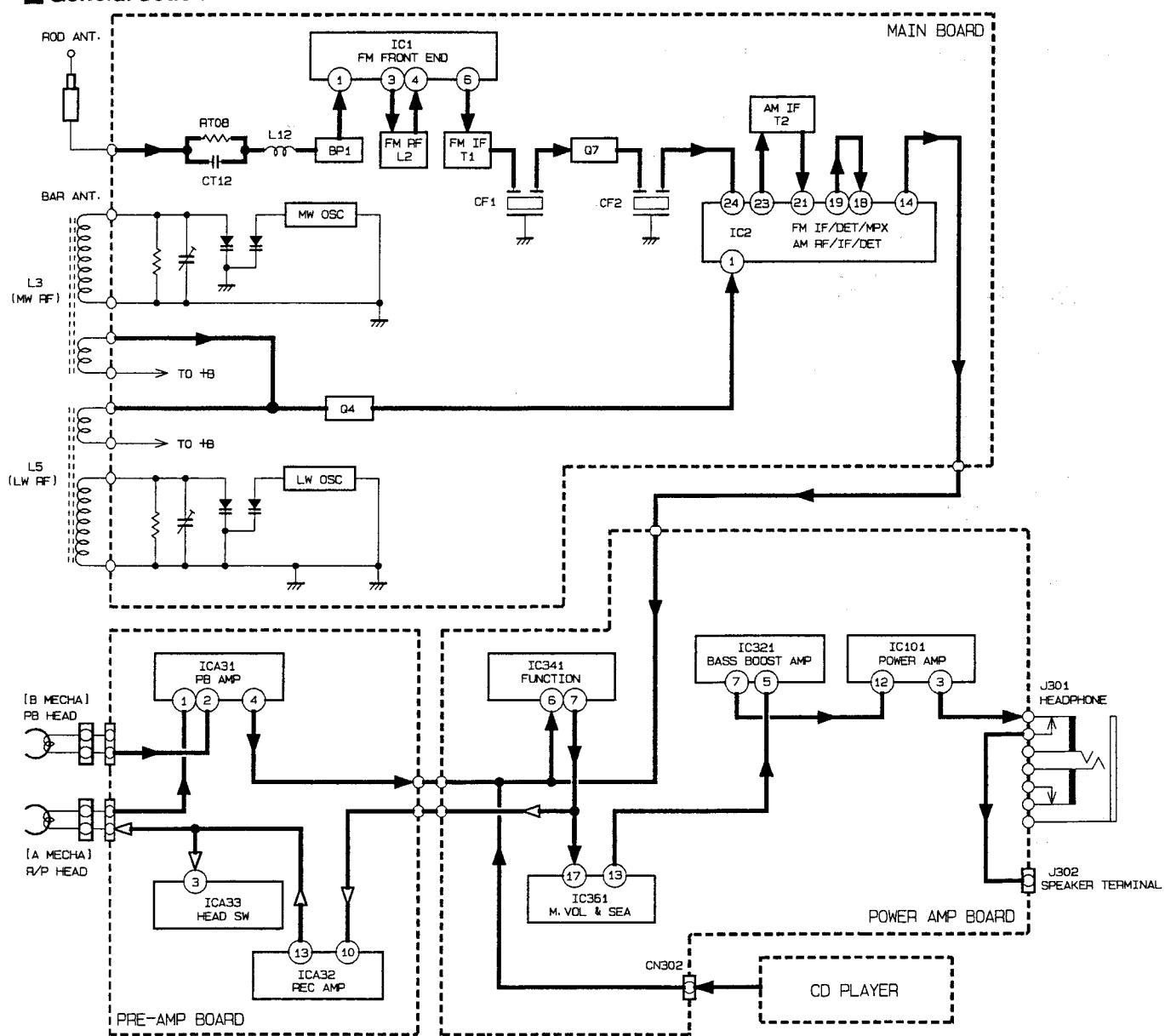


■ Arragement of Adjust : Main P.C. board (All version)

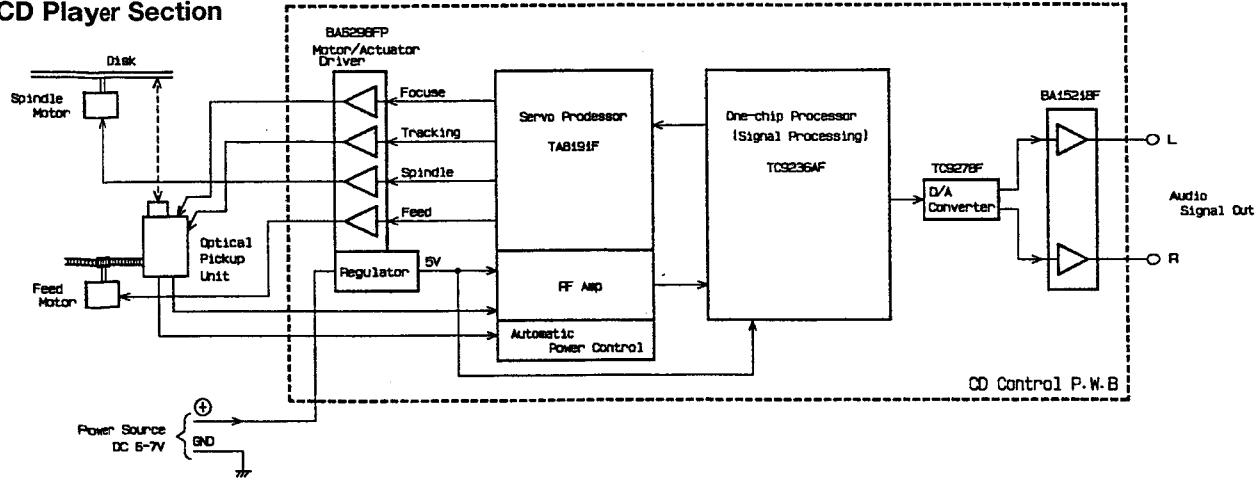


Block Diagram

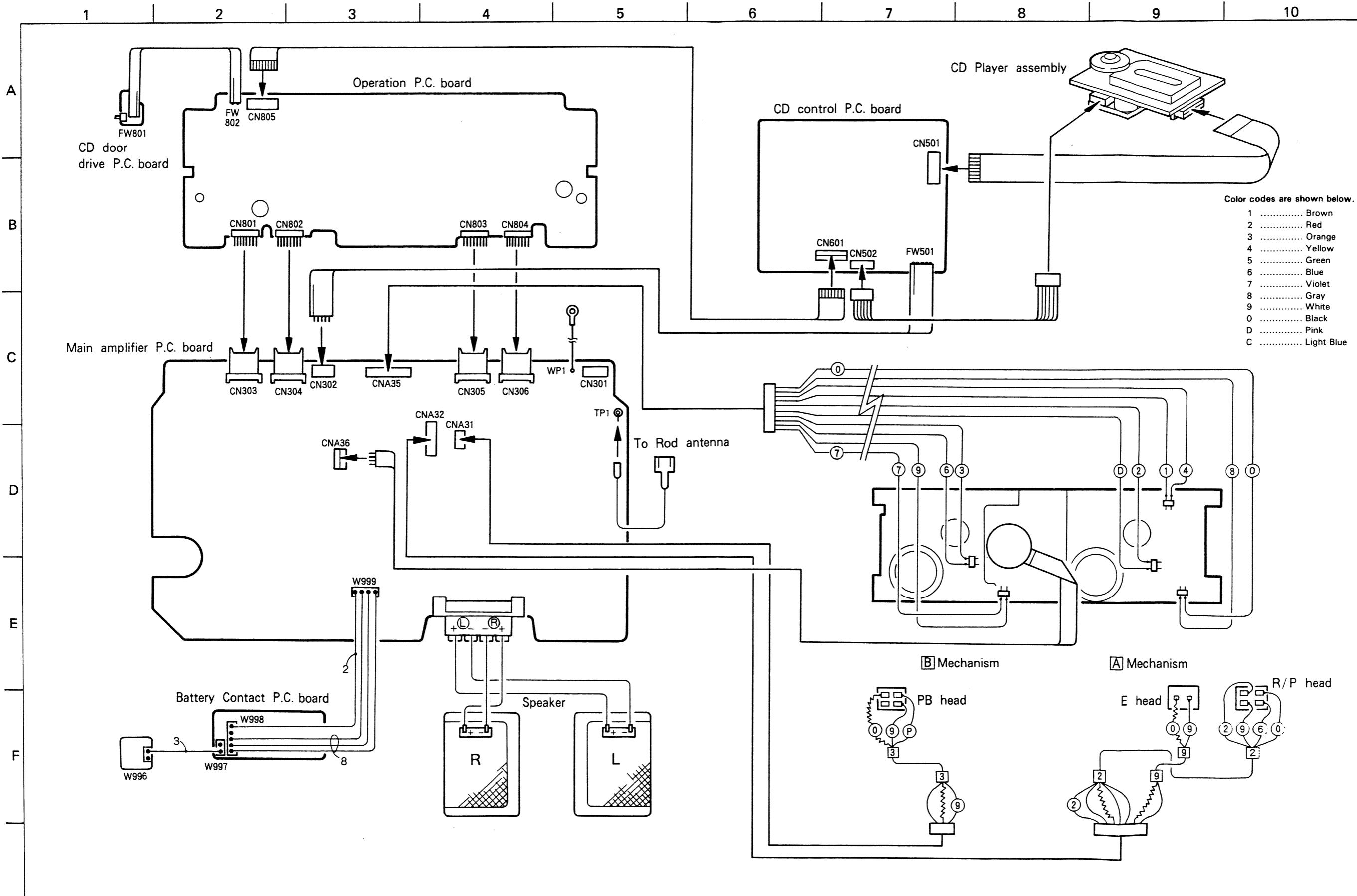
■ General Section



■ CD Player Section



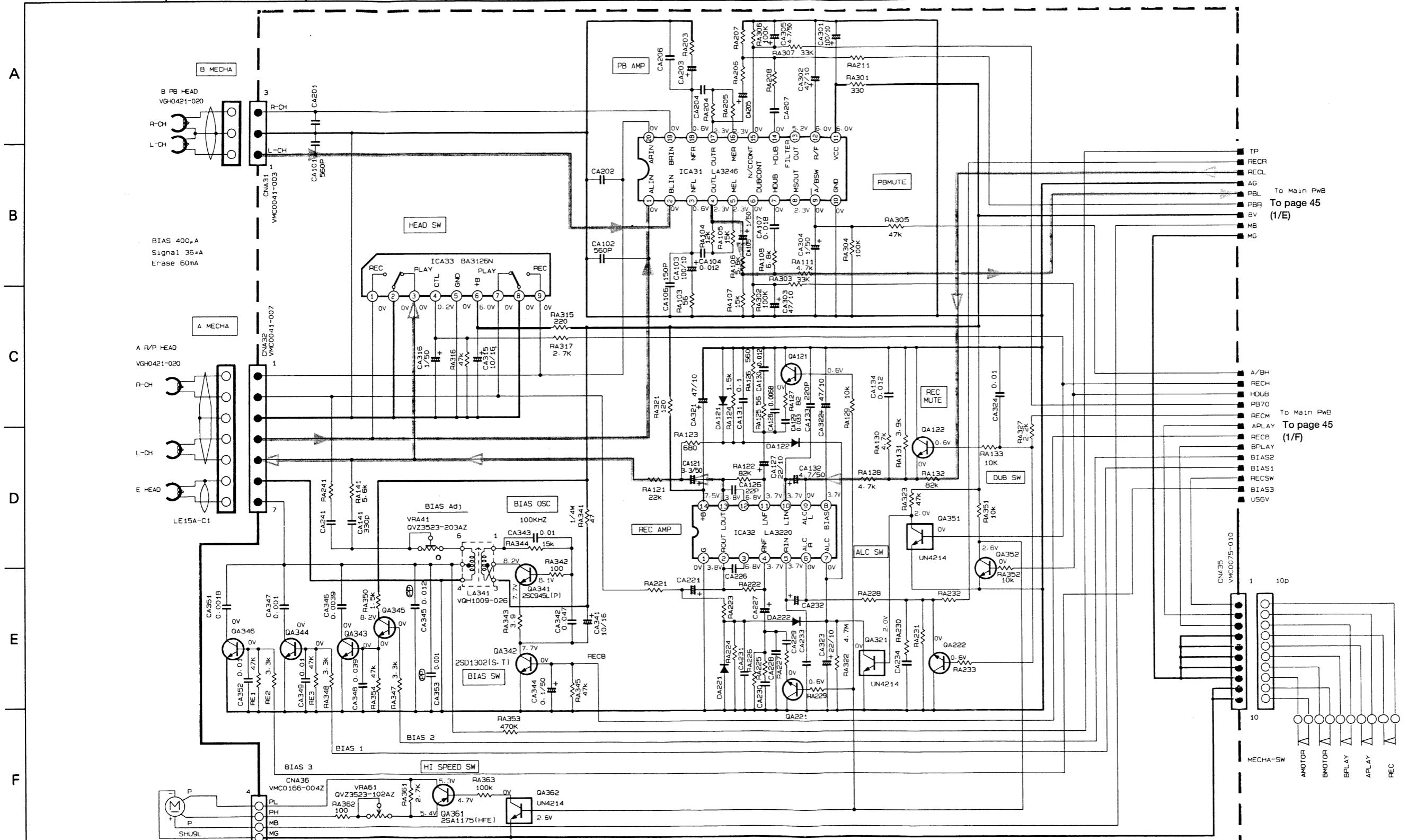
Wiring Connections



Standard Schematic Diagram

■ Pre-Amplifier Circuit: Drawing No. FSDH7001-006RW

1 2 3 4 5 6 7 8 9 10



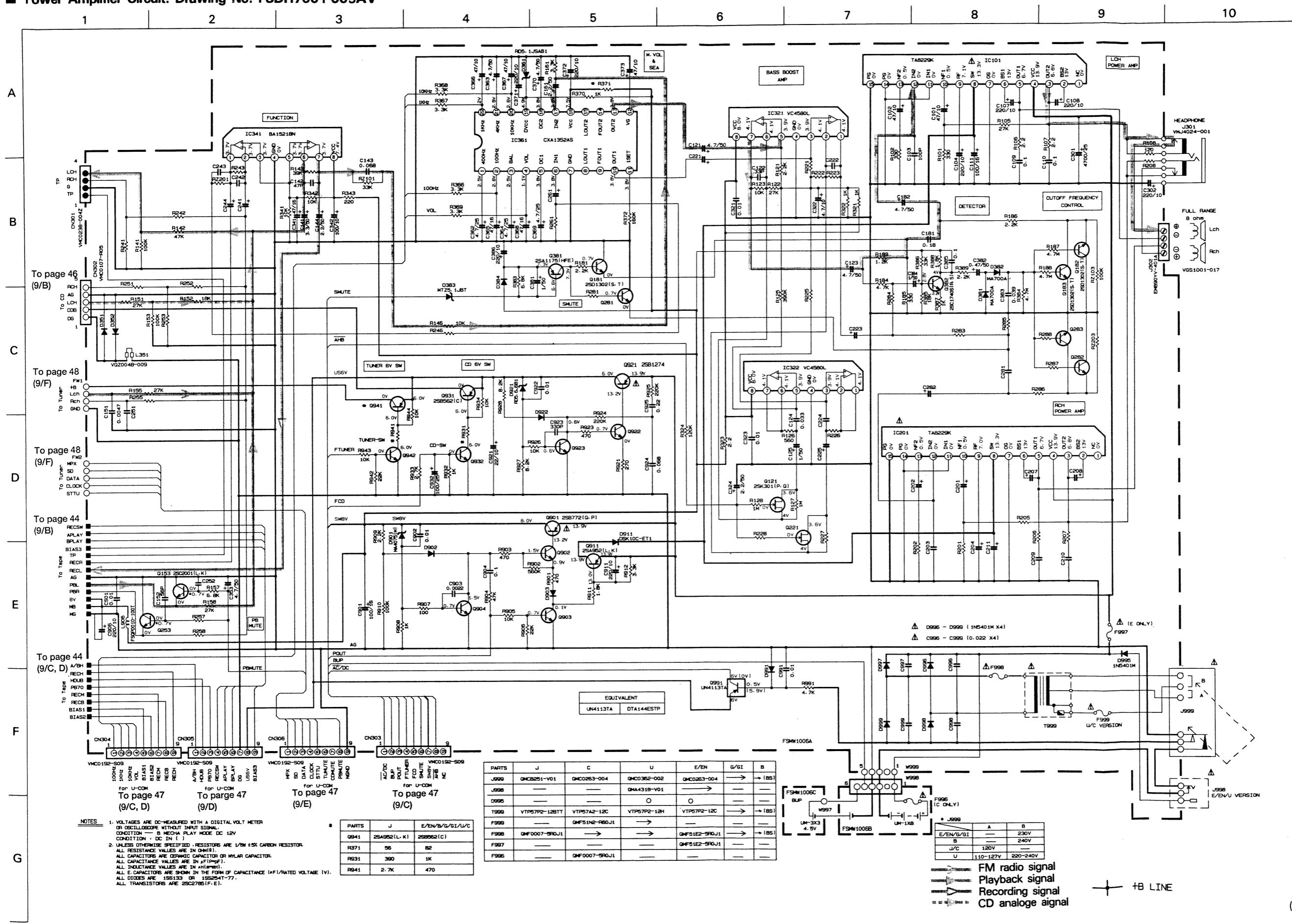
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION TAPE MODE A MECHA PB.

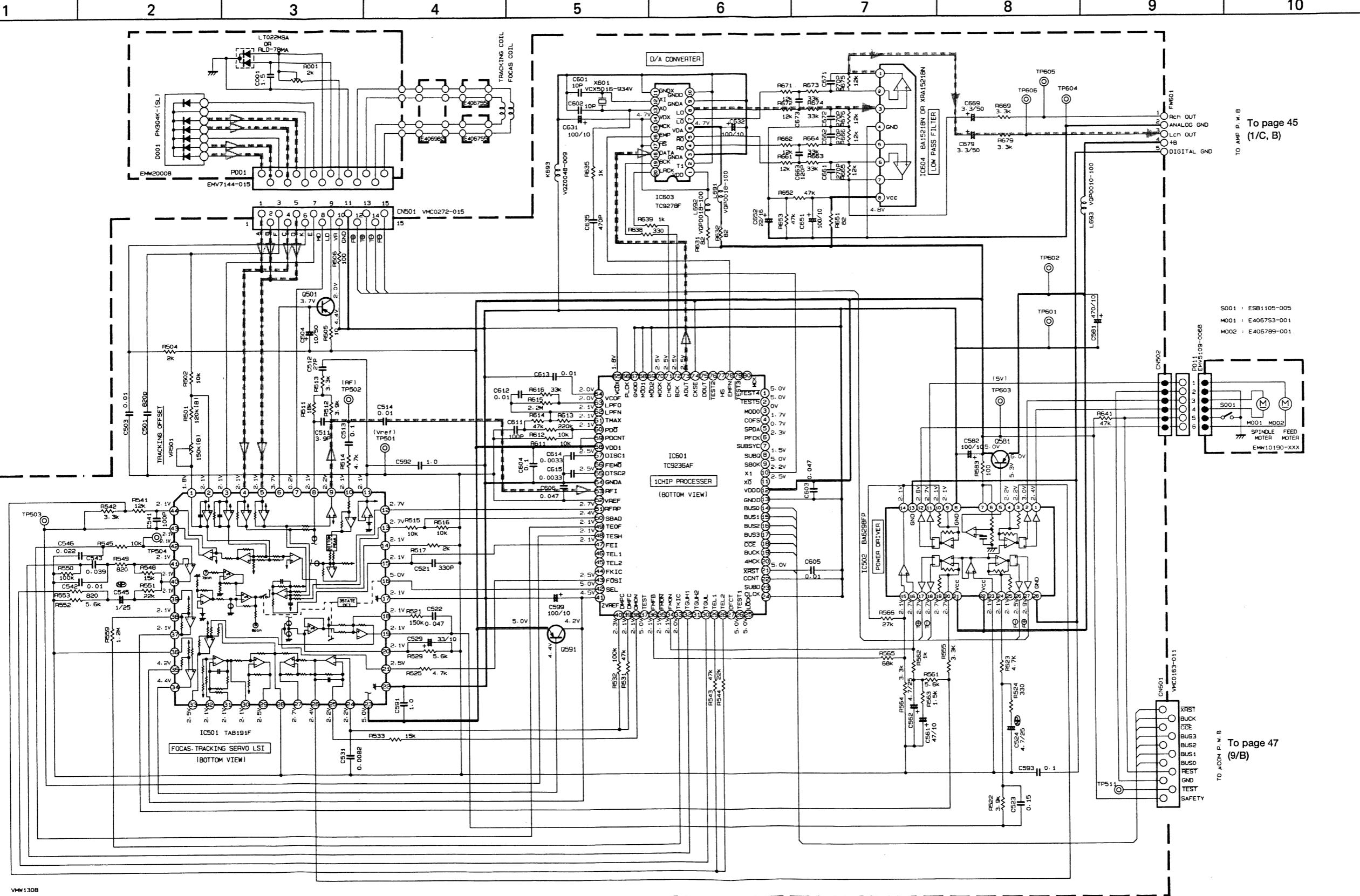
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN pF(p-pd).
ALL INDUCTANCE VALUES ARE IN nH(m-mH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (nF)/RATED VOLTAGE (V).
ALL DIODES ARE MA165.
ALL TRANSISTORS ARE 2SC2785(E-F).

	R1	R2	
UN4213	47k	47k	DTC144E
UN4214	10k	47k	DTC114Y

■ Power Amplifier Circuit: Drawing No. FSDH7001-005AV



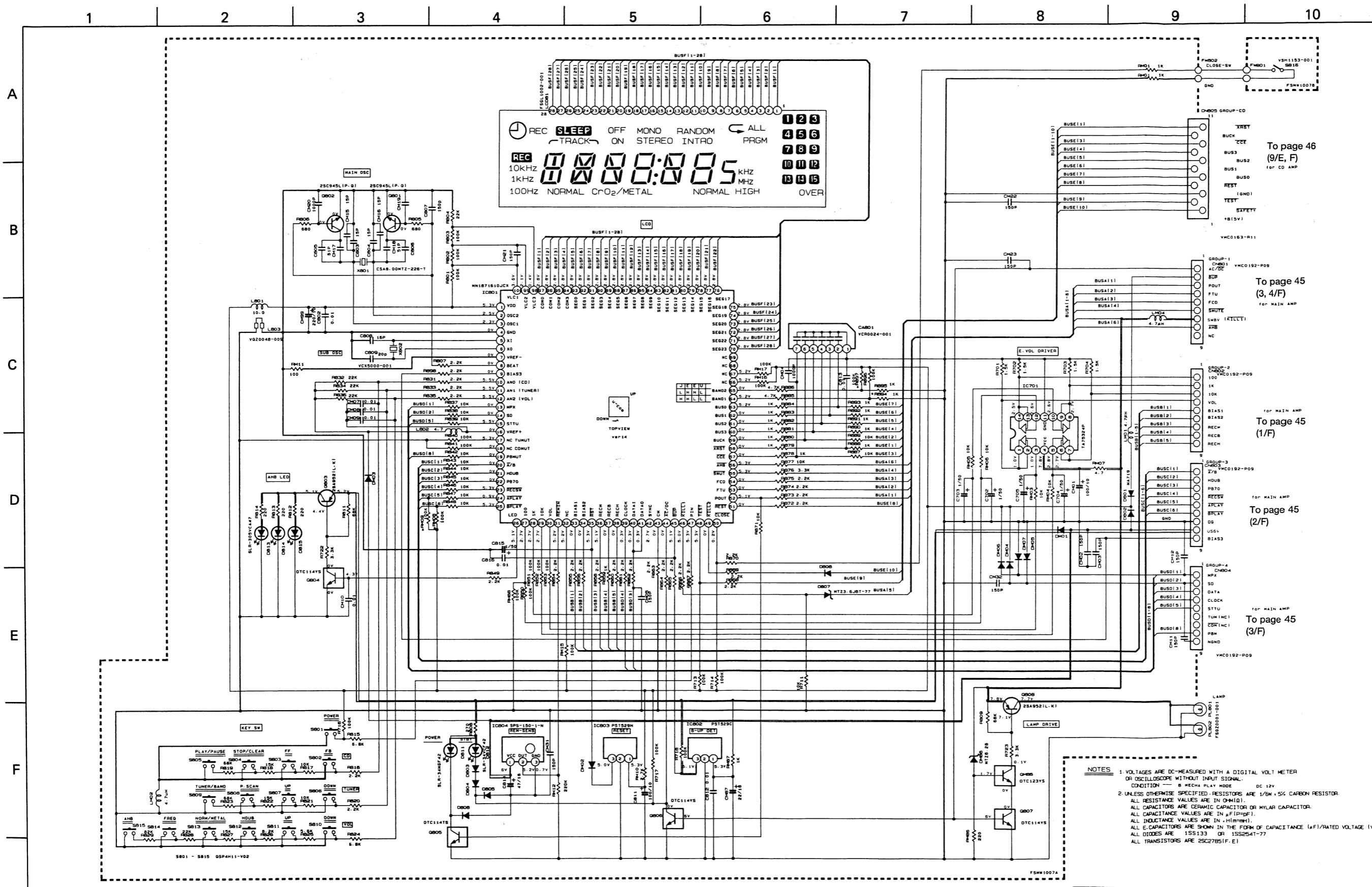
■ CD Amplifier Circuit: Drawing No. FSDH7001-006CV



Q501	2SA952(L-K)
Q501	2SA1309(R-S) OR 2SA1175(HFE) OR 2SA933(SI)
Q501	2SA1309(R-S) OR 2SA1175(HFE) OR 2SA933(SI)

CD digital signal
CD analog signal
+B LINE

■ System Micro Computer Circuit: Drawing No. FSDH7001-006SV



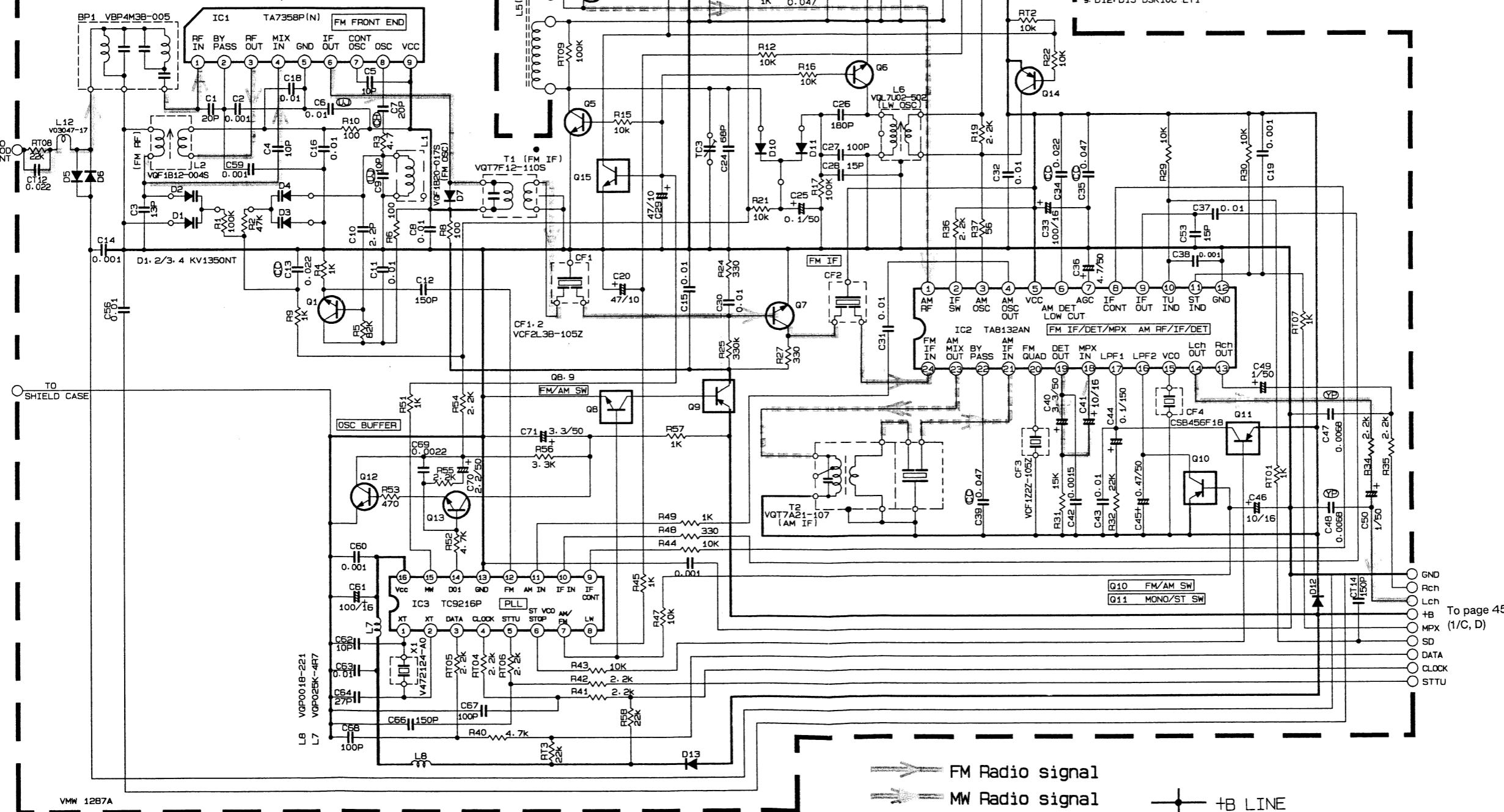
DTC1146	R1	R2
DTC1147S	10K	47K
DTC123YS	2.2K	10K

+TB LINE

■ Tuner Circuit: Drawing No. FSDH7001-005TW

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

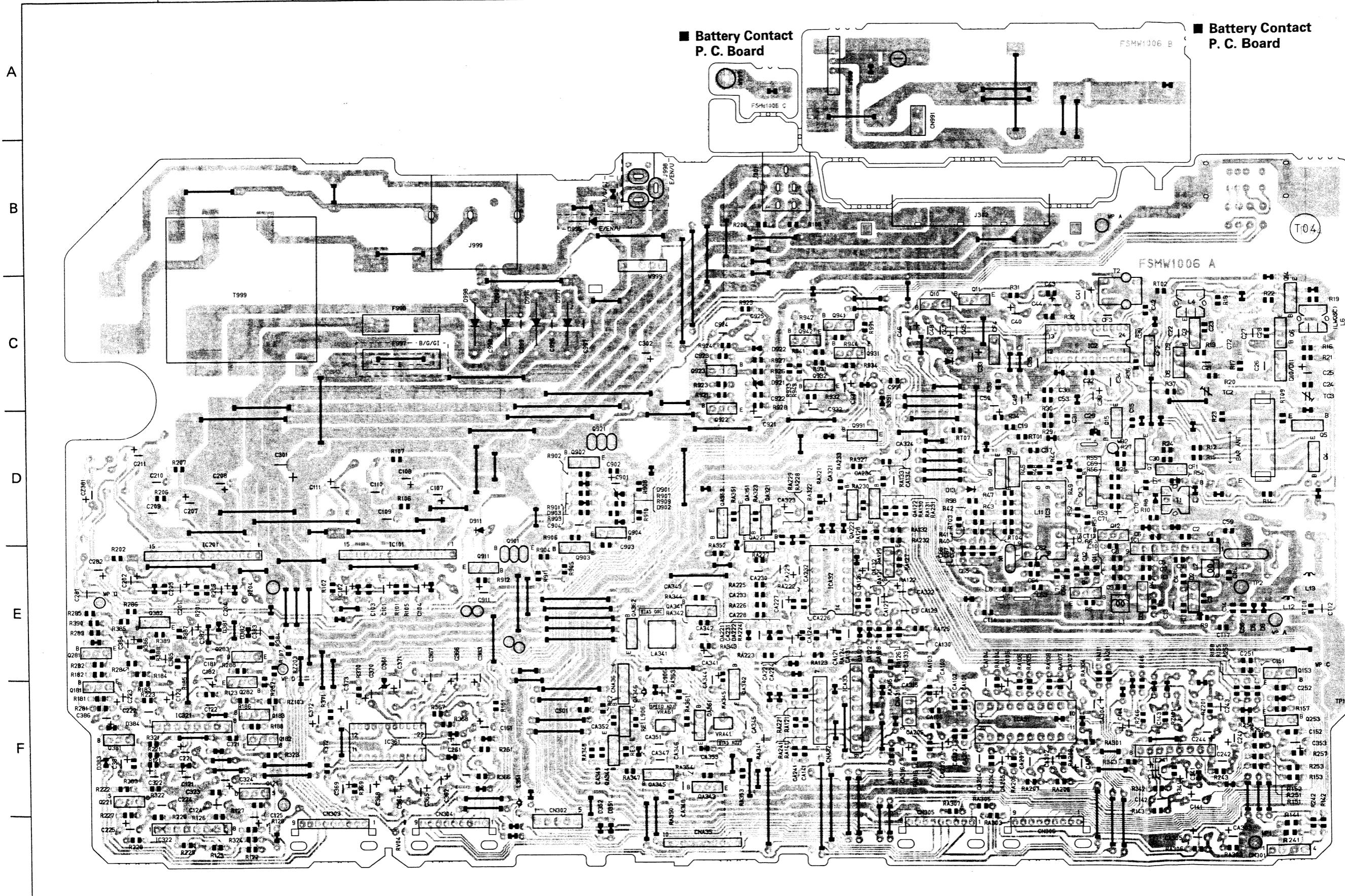
PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	0.8	1.5	5.5	1.5	0.5	5.5	4.7	5.5	5.5	1.0	1.0	5.1	5.3	5.6	0.6	1.0	4.7	5.6	5.4	5.6	5.6	5.6	
	FM NO SIGNAL	5.6	5.6	5.6	5.6	5.6	5.6	5.0	0.5	0.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
IC2	FM 60dB STEREO	5.6	5.6	5.6	5.6	5.6	4.9	1.1	0.5	0	0	1.0	1.0	4.9	4.7	4.7	0.6	1.2	4.7	5.6	5.4	5.6	5.6	
	AM NO SIGNAL	5.6	5.6	5.6	5.6	5.2	5.6	5.0	0.2	0.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.1	1.0	5.1	5.6	5.6	5.6	
IC3	FM NO SIGNAL	2.6	2.6	0.5	5.5	0.5	4.5	4.4	0.2	7	0	0	1.0	0	0.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
	TR NO	Q1	Q7	Q8	Q9	Q10	Q11	Q12	Q13															
PIN NO	E	C	B	C	B	C	B	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	
FM 87.5MHz NO SIGNAL	2.5	5.3	3.3	0.5	8.0	0.7	0	0	5.4	6.3	5.6	5.6	5.3	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
AM 522kHz NO SIGNAL	0	0	0	0	0	0.6	0.3	0.6	3	0.6	5.6	5.6	5.6	2.4	5.6	5.6	5.6	2.4	0.1	2.6	0.6	5.1	1.1	
TR NO	Q2	Q3	Q4	Q5	Q6	Q14	Q15																	
PIN NO	E	C	B	C	B	C	B	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	
AM 522kHz NO SIGNAL	0	0	0.5	5.6	4.9	0	0.6	0	0.6	0	0.6	5.6	5.6	4.9	0	0.4	5	5.6	5.6	5.6	5.6	5.6	5.6	
AM 144kHz NO SIGNAL	0	0	0.6	5.6	5.2	0	0	0	0	0	0.6	5.6	5.6	5.2	0	0.5	2	0	0	0	0	0	0	



Location of P.C. Board Parts

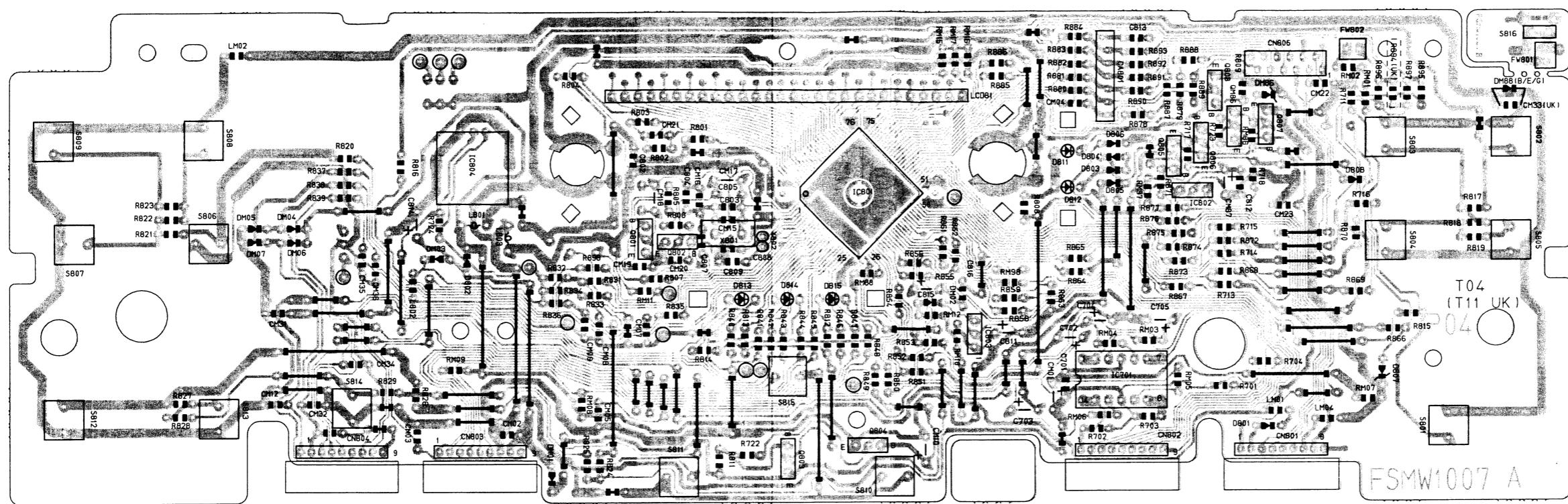
■ Main P.C. board: Drawing No. FSMW1006 / Block No. 01

1 2 3 4 5 6 7 8 9 10

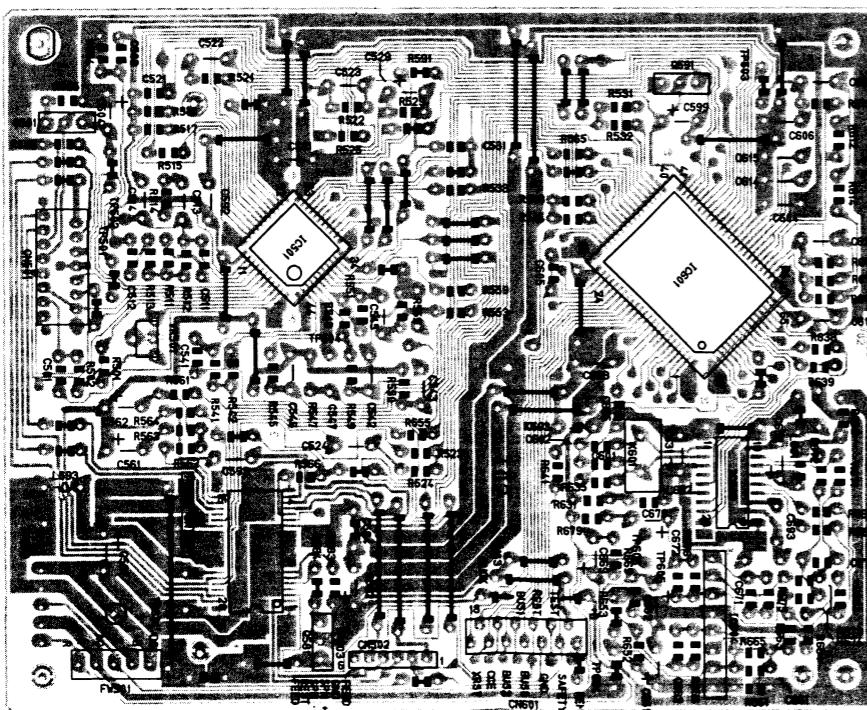


1 2 3 4 5 6 7 8 9 10

■ System Micro Computer P.C. board: Drawing No. FSMW1007 / Block No. 0 3



■ CD Amplifier P.C. board:
Drawing No. VMW1308-P02 / Block No. 0 2



Electrical Parts List

BLOCK NO. 01111111

A REF.	PARTS NO.	PARTS NAME	SUFFIX	REMARKS	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
A BP 01	VBP4M3B-005	BP FILTER	BPF	20PF 5% 50V	C 062	GCS11HJ-100	C.CAPACITOR	10PF 5% 50V
C 001	QCT30CH-200Y	C.CAPACITOR		1000PF 10% 50V	C 063	GCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C 002	QCBB1HK-102Y	C.CAPACITOR		13PF 5% 50V	C 064	GCSB1HJ-270Y	C.CAPACITOR	27PF 5% 50V
C 003	QCSB1HJ-130Y	C.CAPACITOR		13PF 5% 50V	C 066	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V
C 004	QCS11HJ-100	C.CAPACITOR		10PF 5% 50V	C 067	QCBB1HK-101Y	C.CAPACITOR	100PF 10% 50V
A C 005	QCT30UJ-100Y	C.CAPACITOR		10PF 5% 50V	C 068	QCXB1CM-222Y	C.CAPACITOR	100PF 10% 50V
C 006	QCUB1CN-103Y	C.CAPACITOR		100MF 30% 16V	C 069	GETC1HM-225Z	E.CAPACITOR	2200PF 20% 16V
A C 007	QCT30CH-200Y	C.CAPACITOR		20PF 5% 50V	C 070	GETC1HM-225Z	E.CAPACITOR	2.2MF 20% 50V
C 008	QCUB1CN-103Y	C.CAPACITOR		100MF 30% 16V	C 071	QC1CN-352	E.CAPACITOR	3.3MF 20% 50V
A C 009	QCT30UJ-100Y	C.CAPACITOR		10PF 5% 50V	C 101	GETC1AM-476Z	E.CAPACITOR	4.7MF 20% 10V
A C 010	QCUB1HK-2R2Y	C.CAPACITOR		2.2PF 10% 50V	C 102	GETC1AM-476Z	E.CAPACITOR	4.7MF 20% 10V
C 011	QCUB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 103	GCBB1HK-101Y	C.CAPACITOR	100PF 10% 50V
C 012	QCBB1HK-151Y	C.CAPACITOR		150PF 10% 50V	C 104	GETC1AM-272	E.CAPACITOR	220MF 20% 10V
C 013	QCC11EM-223V	C.CAPACITOR		022MF 20% 25V	C 107	GETC1AM-227	E.CAPACITOR	220MF 20% 10V
C 014	QCBB1HK-102Y	C.CAPACITOR		1000PF 10% 50V	C 108	GETC1AM-227	E.CAPACITOR	220MF 20% 10V
C 015	QCUB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 109	QCC11EM-104V	C.CAPACITOR	-10MF 20% 25V
C 016	QCUB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 110	QCC11EM-104V	C.CAPACITOR	-10MF 20% 25V
C 018	QCUB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 111	QE1C1CM-107	E.CAPACITOR	100MF 20% 16V
C 019	QCBB1HK-102Y	C.CAPACITOR		1000PF 10% 50V	C 121	QE1C1HM-475Z	E.CAPACITOR	4.7MF 20% 50V
C 020	QE1C1CM-476Z	E.CAPACITOR		47MF 20% 10V	C 122	QCS11HJ-752	E.CAPACITOR	3.3PF 5% 50V
C 021	QCC11EM-473V	C.CAPACITOR		047MF 20% 25V	C 123	QE1C1HM-752	E.CAPACITOR	4.7MF 20% 50V
C 022	QF331HG-4312M	PS CAPACITOR		430PF 2% 50V	C 124	QFN31HJ-333Z	M.CAPACITOR	.033MF 5% 50V
C 023	QCT30CH-120Y	C.CAPACITOR		12PF 5% 50V	C 125	QE61HM-105Z	E.CAPACITOR	1.0MF 20% 50V
C 024	QCBB1HK-680Y	C.CAPACITOR		68PF 5% 50V	C 141	QEKS6HM-335Z	E.CAPACITOR	3.3MF 20% 50V
C 025	QE1C1HM-104Z	E.CAPACITOR		10MF 20% 50V	C 142	QCS11HJ-70	C.CAPACITOR	47PF 5% 50V
C 026	QCS11HJ-181	C.CAPACITOR		180PF 5% 50V	C 143	QEFC1HJ-683	M.CAPACITOR	.068MF 5% 50V
C 027	QC1CN-101	C.CAPACITOR		100PF 5% 50V	C 144	QE1C1HM-225Z	E.CAPACITOR	2.2MF 20% 16V
C 028	QCS11HJ-150	C.CAPACITOR		15PF 5% 50V	C 151	QCXB1CM-472Y	C.CAPACITOR	4700PF 20% 16V
C 029	QE1C1AM-476Z	E.CAPACITOR		47MF 20% 10V	C 152	QCXB1CM-472Y	C.CAPACITOR	4700PF 20% 16V
C 030	QCUB1CN-103Y	C.CAPACITOR		010MF 20% 50V	C 161	QE1C1HM-225Z	E.CAPACITOR	2.2MF 20% 50V
C 031	QCUB1CN-103Y	C.CAPACITOR		100PF 5% 50V	C 181	QF11HJ-184Z	M.CAPACITOR	.18MF 5% 50V
C 032	QCS11HJ-150	C.CAPACITOR		15PF 5% 50V	C 182	QE61HM-752M	E.CAPACITOR	4.7MF 20% 50V
C 033	QCC11EM-476Z	E.CAPACITOR		47MF 20% 10V	C 201	QE1C1AM-476Z	E.CAPACITOR	4.7MF 20% 10V
C 034	QCC11EM-473V	C.CAPACITOR		010MF 30% 16V	C 202	QE1C1AM-762	E.CAPACITOR	4.7MF 20% 10V
C 035	QCC11EM-473V	C.CAPACITOR		010MF 30% 16V	C 203	QCBB1HK-101Y	C.CAPACITOR	100PF 10% 50V
C 036	QE1C1HM-475Z	E.CAPACITOR		4.7MF 20% 50V	C 204	QE1C1AM-227	E.CAPACITOR	220MF 20% 10V
C 037	QCVB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 207	QE1C1AM-227	E.CAPACITOR	220MF 20% 10V
C 038	QCBB1HK-102Y	C.CAPACITOR		100MF 20% 16V	C 208	QE1C1AM-227	E.CAPACITOR	220MF 20% 10V
C 039	QCC11EM-473V	C.CAPACITOR		047MF 20% 25V	C 209	QCC11EM-104V	C.CAPACITOR	10MF 20% 50V
C 040	QE1C1HM-335Z	E.CAPACITOR		3.3MF 20% 50V	C 210	QCC11EM-104V	C.CAPACITOR	10MF 20% 50V
C 041	QE1C1CM-106Z	E.CAPACITOR		100MF 20% 16V	C 211	QE1C1CM-107	E.CAPACITOR	100MF 20% 16V
C 042	QCXB1CM-152Y	C.CAPACITOR		1500PF 20% 16V	C 221	QE1C1HM-475Z	E.CAPACITOR	4.7MF 20% 50V
C 043	QCVB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 222	QCS11HJ-350	C.CAPACITOR	3.3PF 5% 50V
C 044	QE1C1HM-104Z	E.CAPACITOR		10MF 20% 50V	C 223	QE1C1HM-475Z	E.CAPACITOR	4.7MF 20% 50V
C 045	QE1C1HM-476Z	E.CAPACITOR		4.7MF 20% 50V	C 224	QFN31HJ-333Z	E.CAPACITOR	.033MF 5% 50V
C 046	QE1C1CM-106Z	E.CAPACITOR		047MF 20% 25V	C 225	QEKC1HM-107	E.CAPACITOR	1.0MF 20% 50V
C 047	QC1CN-682Z	C.CAPACITOR		6800PF 10% 50V	C 241	QEKS1HM-335Z	E.CAPACITOR	3.3MF 20% 50V
C 048	QC1CN-682Z	C.CAPACITOR		6800PF 10% 50V	C 242	QCS11HJ-470	C.CAPACITOR	47PF 5% 50V
C 049	QE1C1HM-105Z	E.CAPACITOR		1.0MF 20% 50V	C 243	QFLC1HJ-683	M.CAPACITOR	.068MF 5% 50V
C 050	QE1C1HM-105Z	E.CAPACITOR		1.0MF 20% 50V	C 244	QE1C1HM-227	E.CAPACITOR	2.2MF 20% 50V
C 053	QCT30CH-150Y	C.CAPACITOR		15PF 5% 50V	C 251	QCXB1CM-472Y	C.CAPACITOR	4700PF 20% 16V
C 056	QCUB1CN-103Y	C.CAPACITOR		010MF 30% 16V	C 252	QCXB1CM-472Y	C.CAPACITOR	4700PF 20% 16V
C 059	QCBB1HK-102Y	C.CAPACITOR		1000PF 10% 50V	C 261	QE1C1HM-225Z	E.CAPACITOR	2.2MF 20% 50V
C 060	QCBB1HK-102Y	C.CAPACITOR		1000PF 10% 50V	C 281	QFV11HJ-184Z	TF.CAPACITOR	.18MF 5% 50V
C 061	QE1C1CM-107	E.CAPACITOR		100MF 20% 16V	C 282	QEER1HM-475Z	E.CAPACITOR	4.7MF 20% 50V

BLOCK NO. 01111111

Main P.C. board

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
CA129	QFLC1HJ-3332M	TF CAPACITOR	.033MF 5% 50V	
CA130	QFN31HJ-1232	M..CAPACITOR	.012MF 5% 50V	
CA131	QFLC1HJ-1042M	M..CAPACITOR	.10MF 5% 50V	
CA132	QETC1HJ-4752	E..CAPACITOR	4.7MF 20% 50V	
CA133	QCBB1HK-221Y	C..CAPACITOR	220PF 10% 50V	
CA134	QFN31HJ-1232	M..CAPACITOR	.012MF 5% 50V	
CA141	QCBB1HK-331Y	C..CAPACITOR	.330PF 10% 50V	
CA201	QCBB1HK-561Y	C..CAPACITOR	.560PF 10% 50V	
CA202	QCBB1HK-561Y	C..CAPACITOR	.560PF 10% 50V	
CA203	QEK61AN-1072	E..CAPACITOR	100MF 20% 10V	
CA204	QFN31HJ-1232	M..CAPACITOR	.012MF 5% 50V	
CA205	QEK61AN-1052	E..CAPACITOR	1.0MF 20% 50V	
CA206	QCBB1HK-151Y	C..CAPACITOR	150PF 10% 50V	
CA207	QFLC1HJ-1832M	TF..CAPACITOR	.018MF 5% 50V	
CA221	QETC1HJ-3335Z	E..CAPACITOR	3.3MF 20% 50V	
CA226	GCSB1HK-220Y	C..CAPACITOR	22PF 5% 50V	
CA227	GETC1AM-2262N	E..CAPACITOR	22MF 20% 10V	
CA228	GCBX1HK-682Y	C..CAPACITOR	6800PF 20% 16V	
CA229	GFLC1HJ-3332M	TF..CAPACITOR	.033MF 5% 50V	
CA230	GFN31HJ-1232	M..CAPACITOR	.012MF 5% 50V	
CA231	QFLC1HJ-1042M	M..CAPACITOR	.10MF 5% 50V	
CA232	QETC1HJ-4752	E..CAPACITOR	4.7MF 20% 50V	
CA233	QCBB1HK-221Y	C..CAPACITOR	220PF 10% 50V	
CA234	GFN31HJ-1232	M..CAPACITOR	.012MF 5% 50V	
CA241	QCBB1HK-331Y	C..CAPACITOR	330PF 10% 50V	
CA301	QEKF61AN-1072	E..CAPACITOR	100NF 20% 10V	
CA302	QEKG41CM-476	E..CAPACITOR	4.7MF 20% 16V	
CA303	QEFC1AM-4762	E..CAPACITOR	4.7MF 20% 10V	
CA304	QEFC1AM-4752	E..CAPACITOR	4.7MF 20% 50V	
CA305	QEER61HM-4752M	E..CAPACITOR	4.7MF 20% 50V	
CA315	QEFC1CM-1062	E..CAPACITOR	10MF 20% 16V	
CA316	QEKF61AN-1052	E..CAPACITOR	4.7MF 20% 10V	
CA321	QEFC1AM-4762	E..CAPACITOR	4.7MF 20% 10V	
CA322	QEFC1AM-4762	E..CAPACITOR	4.7MF 20% 50V	
CA323	QEFC1AM-2262N	E..CAPACITOR	22MF 20% 10V	
CA324	QCUB1CN-103Y	C..CAPACITOR	.010MF 30% 16V	
CA341	QEFC1CM-062	E..CAPACITOR	1.0MF 20% 16V	
CA342	QEFC1HJ-4732M	TF..CAPACITOR	.04MF 5% 50V	
CA343	QFN31HJ-032	M..CAPACITOR	.010MF 5% 50V	
CA344	QEFC1HJ-1042	E..CAPACITOR	.10MF 20% 50V	
CA345	QFPT32AJ-1232M	PP..CAPACITOR	.012MF 5% 50V	
CA346	QFN41HJ-222	M..CAPACITOR	.2200PF 5% 50V	
CA347	QFP31HJ-1022M	PP..CAPACITOR	1000PF 5% 50V	
CA348	QCUC31EM-5932V	C..CAPACITOR	.039MF 20% 25V	
CA349	QCUB1CN-103Y	C..CAPACITOR	.010MF 30% 16V	
CA351	QCUB1CN-1522	PP..CAPACITOR	1500PF 5% 50V	
CA352	QCUB1CN-103Y	C..CAPACITOR	.010MF 30% 16V	
CF 01	VCF2L3B-105	C FILTER		
CF 02	VCF2L3B-105	C FILTER		
CF 03	VCF122Z-1052	C FILTER		
CF 04	CSB156F18	CERA LOCK		
CNA31	VMC0040-003	CONNECTOR		
CNA32	VMC0040-007	CONNECTOR		
CNA35	VMC0075-010	CONNECTOR		
CNA36	VMC0166-0042	CONNECTOR		

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 301	QETC1AM-478E	E..CAPACITOR	4700MF 20% 25V	
C 302	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 321	QCVB1CM-103Y	C..CAPACITOR	.010MF 20% 16V	
C 322	QCVB1CM-103Y	C..CAPACITOR	.010MF 20% 16V	
C 324	QEK61HM-2252M	E..CAPACITOR	2.2MF 20% 50V	
C 341	QEK41CM-476	E..CAPACITOR	4.7MF 20% 16V	
C 343	QEK61AM-1072	E..CAPACITOR	100MF 20% 10V	
C 353	QETC1AM-475Z	E..CAPACITOR	4.7MF 20% 50V	
C 362	QEK61EM-475Z	E..CAPACITOR	4.7MF 20% 25V	
C 363	QETC1AM-475Z	E..CAPACITOR	4.7MF 20% 50V	
C 364	QEK61EM-475Z	E..CAPACITOR	4.7MF 20% 25V	
C 365	QEK41CM-476	E..CAPACITOR	4.7MF 20% 16V	
C 366	QETC1AM-476Z	E..CAPACITOR	4.7MF 20% 10V	
C 367	QEK41CM-476Z	E..CAPACITOR	4.7MF 20% 10V	
C 368	QEK41CM-476	E..CAPACITOR	4.7MF 20% 16V	
C 369	QEK61EM-475Z	E..CAPACITOR	4.7MF 20% 25V	
C 370	QETC1AM-475Z	E..CAPACITOR	4.7MF 20% 50V	
C 371	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 372	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 373	QETC1AM-476Z	E..CAPACITOR	4.7MF 20% 10V	
C 381	QETC1AM-1072	E..CAPACITOR	1.0MF 20% 50V	
C 382	QETC1AM-475Z	E..CAPACITOR	4.7MF 20% 50V	
C 383	QEUV1HN-3932M	TF..CAPACITOR	.033MF 5% 50V	
C 384	QETC1AM-1052	E..CAPACITOR	1.0MF 20% 50V	
C 385	QEUV1HN-1042N	TF..CAPACITOR	1.0MF 5% 50V	
C 386	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 901	QETC1CM-107	E..CAPACITOR	100MF 20% 16V	
C 902	QCVB1CM-103Y	E..CAPACITOR	.010MF 30% 16V	
C 903	QCXB1CM-222Y	C..CAPACITOR	2200MF 20% 16V	
C 904	QCC11EM-104V	C..CAPACITOR	.10MF 20% 25V	
C 906	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 911	QETC1AM-2272	E..CAPACITOR	220MF 20% 10V	
C 921	QETC1AM-2262N	E..CAPACITOR	22MF 20% 10V	
C 922	QCVB1CN-103Y	C..CAPACITOR	.010MF 30% 16V	
C 923	QCXB1CM-331Y	C..CAPACITOR	330PF 10% 50V	
C 924	QEUV1HN-6832M	TF..CAPACITOR	.068MF 5% 50V	
C 925	QFV41HN-224	TF..CAPACITOR	.22MF 5% 50V	
C 932	QETC1AM-1072	E..CAPACITOR	100MF 20% 25V	
C 991	QCVB1CN-103Y	C..CAPACITOR	.010MF 30% 16V	
C 996	QFV41HN-224	TF..CAPACITOR	.22MF 5% 50V	
C 997	QFV41HN-224	TF..CAPACITOR	.22MF 5% 50V	
C 998	QFV41HN-224	TF..CAPACITOR	.22MF 5% 50V	
C 999	QFV41HN-224	TF..CAPACITOR	.22MF 5% 50V	
CA101	QCBBI1HK-561Y	C..CAPACITOR	.560PF 10% 50V	
CA102	QCBBI1HK-561Y	C..CAPACITOR	.560PF 10% 50V	
CA103	QEKF61AM-1052	M..CAPACITOR	100MF 20% 10V	
CA104	QFN311H-1232	M..CAPACITOR	.012MF 5% 50V	
CA105	QEKF61HM-1052	E..CAPACITOR	1.0MF 20% 50V	
CA106	QCBBI1HK-151Y	C..CAPACITOR	.150PF 10% 50V	
CA107	QFLC1HN-1832M	TF..CAPACITOR	.018MF 5% 50V	
CA121	QETC1AM-3352	E..CAPACITOR	.33MF 20% 50V	
CA122	QCS81HN-220Y	C..CAPACITOR	.22PF 5% 50V	
CA127	QCXB1CM-2262N	E..CAPACITOR	22MF 20% 10V	
CA128	QCXB1CM-682Y	C..CAPACITOR	.6800PF 20% 16V	

BLOCK NO. ELE		REF.		PARTS NO.	PARTS NAME	TEST-POINT	SUFFIX	REMARKS	SUFFIX
CN301	VME0238-004Z	CN302	VME0107-R05	CONNECTOR 1/M	CONNECTOR 1/M	TO CD	IC321	NJM4580L	I.C.
CN303	VME0192-S09	CONNECTOR	CONNECTOR	TO U-COM	CONNECTOR	TO U-COM	IC322	NJM580L	I.C.
CN304	VME0192-S09	CONNECTOR	CONNECTOR	TO U-COM	CONNECTOR	TO U-COM	IC341	BA15218N	I.C.
CN305	VME0192-S09	CONNECTOR	CONNECTOR	TO U-COM	CONNECTOR	TO U-COM	IC352	CA1352AS	I.C.
CN306	VME0192-S09	CONNECTOR	CONNECTOR	TO U-COM	CONNECTOR	TO U-COM	J 301	VM14024-001	SPK-TERMINAL
CN991	TTL25V-003	C1012	QCC11EM-223Y	CONNECTOR 1/M	C. CAPACITOR	.010MF 30% 16V	J 302	EMB070V-401A	JACK
C1012	QCC11HK-151Y	C1014	QCB11HK-151Y	C. CAPACITOR	C. CAPACITOR	.022MF 20% 25V	J 998	QMA31B-V01	DC JACK
D 001	KV1350NT	C1017	QCB11HK-151Y	C. CAPACITOR	C. CAPACITOR	150PF 10% 50V	QMC0263-004	AC SOCKET	DC JACK
D 002	KV1350NT	D 002	KV1350NT	V. CAPACITOR	V. CAPACITOR	150PF 10% 50V	L 001	VQFB120-017	OSC COIL
D 003	KV1350NT	D 004	KV1350NT	V. CAPACITOR	V. CAPACITOR		L 002	VQFB12-004	RF COIL
D 005	KV1350NT	D 005	KV1350NT	V. CAPACITOR	V. CAPACITOR		L 003	VQBO10B-511	BAR ANTENA
D 006	ISS133	D 006	ISS133	DIODE 1/M	DIODE 1/M		L 004	VQMTU02-406	OSC COIL
D 007	ISS133	D 007	ISS133	SI DIODE	DIODE 1/M		L 005	VQLTU02-502	OSC COIL (W)
D 008	KV1550NTA	D 008	KV1550NTA	V. CAPACITOR	V. CAPACITOR		L 007	VQPO15K-4R7Y	INDUCTOR 1/M
D 009	KV1550NTA	D 351	ISS133	DIODE 1/M	DIODE 1/M		L 008	VQPO018-221	INDUCTOR
D 010	KV1550NTA	D 352	ISS133	DIODE 1/M	DIODE 1/M		A 012	VO3047-17	INDUCTOR
D 011	KV1550NTA	D 361	RDS1JJSAB1	V. CAPACITOR	SI DIODE		L 351	VQ20048-009	INDUCTOR 1/M
D 012	DSK10C-E	D 381	MA700A	SI DIODE	SI DIODE		L 906	VQPO010-100	INDUCTOR
D 013	DSK10C-E	D 382	MA700A	DIODE 1/M	DIODE 1/M		LA341	VQH1009-026	OSC COIL
D 351	ISS133	D 384	ISS133	DIODE 1/M	DIODE 1/M		Q 001	2SC1923(0)	TRANSISTOR 1/M
D 352	ISS133	D 901	MA4775(M)	DIODE 1/M	2.D10E 1/M		Q 003	2SC1923(C0)	TRANSISTOR 1/M
D 361	RDS1JJSAB1	D 902	ISS133	DIODE 1/M	DIODE 1/M		Q 004	2SA1175	TRANSISTOR 1/M
D 381	MA700A	D 903	ISS133	DIODE 1/M	DIODE 1/M		Q 005	2SC1923(C0)	TRANSISTOR 1/M
D 382	MA700A	D 911	DSK10C-E	SI DIODE	DIODE 1/M		Q 006	2SC1923(C0)	TRANSISTOR 1/M
D 383	MT25.1JB	D 921	RDS1JJSAB1	2 DIODE 1/M	DIODE 1/M		Q 007	2SC1923(C0)	TRANSISTOR 1/M
D 384	ISS133	D 922	ISS133	DIODE 1/M	DIODE 1/M		Q 008	DTCA14YS	TRANSISTOR
D 901	MA4775(M)	D 923	ISS133	DIODE 1/M	DIODE 1/M		Q 009	DTA114YS	TRANSISTOR 1/M
D 902	ISS133	D 924	ISS133	DIODE 1/M	DIODE 1/M		Q 010	DTA114YS	TRANSISTOR 1/M
D 903	ISS133	D 925	ISS133	SI DIODE	SI DIODE		Q 011	DTA114YS	TRANSISTOR 1/M
D 911	DSK10C-E	D 926	ISS133	2 DIODE 1/M	DIODE 1/M		Q 012	2SC2785(HFE)	TRANSISTOR 1/M
D 921	RDS1JJSAB1	D 927	ISS133	DIODE 1/M	DIODE 1/M		Q 013	2SC2785(HFE)	TRANSISTOR 1/M
D 922	ISS133	D 928	ISS133	DIODE 1/M	DIODE 1/M		Q 014	2SA1175	TRANSISTOR 1/M
D 923	ISS133	D 929	ISS133	DIODE 1/M	DIODE 1/M		Q 015	DTCA14ES	TRANSISTOR 1/M
D 924	ISS133	D 930	ISS133	DIODE 1/M	DIODE 1/M		Q 016	2SK301(P,Q)	FET 1/M
D 925	ISS133	D 931	ISS133	SI DIODE	SI DIODE		Q 017	2SK301(L,K)	TRANSISTOR 1/M
D 926	ISS133	D 932	ISS133	2 DIODE 1/M	DIODE 1/M		Q 181	2SD1302(S,T)	TRANSISTOR 1/M
D 927	ISS133	D 933	ISS133	DIODE 1/M	DIODE 1/M		Q 182	2SD1302(S,T)	TRANSISTOR 1/M
D 928	ISS133	D 934	ISS133	DIODE 1/M	DIODE 1/M		Q 183	2SD1302(S,T)	TRANSISTOR 1/M
D 929	ISS133	D 935	ISS133	DIODE 1/M	DIODE 1/M		Q 221	2SK301(P,Q)	FET 1/M
D 930	ISS133	D 936	ISS133	SI DIODE	SI DIODE		Q 153	2SC2001(L,K)	TRANSISTOR 1/M
D 931	ISS133	D 937	ISS133	2 DIODE 1/M	DIODE 1/M		Q 184	2SD1302(S,T)	TRANSISTOR 1/M
D 932	ISS133	D 938	ISS133	DIODE 1/M	DIODE 1/M		Q 185	2SD1302(S,T)	TRANSISTOR 1/M
D 933	ISS133	D 939	ISS133	DIODE 1/M	DIODE 1/M		Q 186	2SD1302(S,T)	TRANSISTOR 1/M
D 934	ISS133	D 940	ISS133	DIODE 1/M	DIODE 1/M		Q 187	2SD1302(S,T)	TRANSISTOR 1/M
D 935	ISS133	D 941	ISS133	SI DIODE	SI DIODE		Q 188	2SD1302(S,T)	TRANSISTOR 1/M
D 936	ISS133	D 942	ISS133	2 DIODE 1/M	DIODE 1/M		Q 189	2SD1302(S,T)	TRANSISTOR 1/M
D 937	ISS133	D 943	ISS133	DIODE 1/M	DIODE 1/M		Q 190	2SB772(Q,P)	TRANSISTOR 1/M
D 938	ISS133	D 944	ISS133	DIODE 1/M	DIODE 1/M		Q 281	2SD1302(S,T)	TRANSISTOR 1/M
D 939	ISS133	D 945	ISS133	DIODE 1/M	DIODE 1/M		Q 282	2SD1302(S,T)	TRANSISTOR 1/M
D 940	ISS133	D 946	ISS133	DIODE 1/M	DIODE 1/M		Q 283	2SD1302(S,T)	TRANSISTOR 1/M
D 941	ISS133	D 947	ISS133	DIODE 1/M	DIODE 1/M		Q 381	2SA1175	TRANSISTOR 1/M
D 942	ISS133	D 948	ISS133	DIODE 1/M	DIODE 1/M		Q 382	2SC1740S(R,S)	TRANSISTOR 1/M
D 943	ISS133	D 949	ISS133	DIODE 1/M	DIODE 1/M		Q 901	2SB772(Q,P)	TRANSISTOR 1/M
D 944	ISS133	D 950	ISS133	DIODE 1/M	DIODE 1/M		Q 902	2SC2785(HFE)	TRANSISTOR 1/M
D 945	ISS133	D 951	ISS133	DIODE 1/M	DIODE 1/M		Q 903	2SC2785(HFE)	TRANSISTOR 1/M
D 946	ISS133	D 952	ISS133	DIODE 1/M	DIODE 1/M		Q 911	2SA952(L,K)	TRANSISTOR 1/M
D 947	ISS133	D 953	ISS133	DIODE 1/M	DIODE 1/M		Q 922	2SC2785(HFE)	TRANSISTOR 1/M
D 948	ISS133	D 954	ISS133	DIODE 1/M	DIODE 1/M		Q 923	2SC2785(HFE)	TRANSISTOR 1/M
D 949	ISS133	D 955	ISS133	DIODE 1/M	DIODE 1/M		Q 931	2SB562(C)	TRANSISTOR 1/M
D 950	ISS133	D 956	ISS133	DIODE 1/M	DIODE 1/M		Q 932	2SC2785(HFE)	TRANSISTOR 1/M
D 951	ISS133	D 957	ISS133	DIODE 1/M	DIODE 1/M		Q 933	2SC2785(HFE)	TRANSISTOR 1/M
D 952	ISS133	D 958	ISS133	DIODE 1/M	DIODE 1/M		Q 934	2SC2785(HFE)	TRANSISTOR 1/M
D 953	ISS133	D 959	ISS133	DIODE 1/M	DIODE 1/M		Q 935	2SC2785(HFE)	TRANSISTOR 1/M
D 954	ISS133	D 960	ISS133	DIODE 1/M	DIODE 1/M		Q 936	2SC2785(HFE)	TRANSISTOR 1/M
D 955	ISS133	D 961	ISS133	DIODE 1/M	DIODE 1/M		Q 937	2SC2785(HFE)	TRANSISTOR 1/M
D 956	ISS133	D 962	ISS133	DIODE 1/M	DIODE 1/M		Q 938	2SC2785(HFE)	TRANSISTOR 1/M
D 957	ISS133	D 963	ISS133	DIODE 1/M	DIODE 1/M		Q 939	2SC2785(HFE)	TRANSISTOR 1/M
D 958	ISS133	D 964	ISS133	DIODE 1/M	DIODE 1/M		Q 940	2SC2785(HFE)	TRANSISTOR 1/M
D 959	ISS133	D 965	ISS133	DIODE 1/M	DIODE 1/M		Q 941	2SA952(L,K)	TRANSISTOR 1/M
D 960	ISS133	D 966	ISS133	DIODE 1/M	DIODE 1/M		Q 942	2SC2785(HFE)	TRANSISTOR 1/M
D 961	ISS133	D 967	ISS133	DIODE 1/M	DIODE 1/M		Q 943	2SC2785(HFE)	TRANSISTOR 1/M
D 962	ISS133	D 968	ISS133	DIODE 1/M	DIODE 1/M		Q 944	2SC2785(HFE)	TRANSISTOR 1/M
D 963	ISS133	D 969	ISS133	DIODE 1/M	DIODE 1/M		Q 945	2SC2785(HFE)	TRANSISTOR 1/M
D 964	ISS133	D 970	ISS133	DIODE 1/M	DIODE 1/M		Q 946	2SC2785(HFE)	TRANSISTOR 1/M
D 965	ISS133	D 971	ISS133	DIODE 1/M	DIODE 1/M		Q 947	2SC2785(HFE)	TRANSISTOR 1/M
D 966	ISS133	D 972	ISS133	DIODE 1/M	DIODE 1/M		Q 948	2SC2785(HFE)	TRANSISTOR 1/M
D 967	ISS133	D 973	ISS133	DIODE 1/M	DIODE 1/M		Q 949	2SC2785(HFE)	TRANSISTOR 1/M
D 968	ISS133	D 974	ISS133	DIODE 1/M	DIODE 1/M		Q 950	2SC2785(HFE)	TRANSISTOR 1/M
D 969	ISS133	D 975	ISS133	DIODE 1/M	DIODE 1/M		Q 951	2SC2785(HFE)	TRANSISTOR 1/M
D 970	ISS133	D 976	ISS133	DIODE 1/M	DIODE 1/M		Q 952	2SC2785(HFE)	TRANSISTOR 1/M
D 971	ISS133	D 977	ISS133	DIODE 1/M	DIODE 1/M		Q 953	2SC2785(HFE)	TRANSISTOR 1/M
D 972	ISS133	D 978	ISS133	DIODE 1/M	DIODE 1/M		Q 954	2SC2785(HFE)	TRANSISTOR 1/M
D 973	ISS133	D 979	ISS133	DIODE 1/M	DIODE 1/M		Q 955	2SC2785(HFE)	TRANSISTOR 1/M
D 974	ISS133	D 980	ISS133	DIODE 1/M	DIODE 1/M		Q 956	2SC2785(HFE)	TRANSISTOR 1/M
D 975	ISS133	D 981	ISS133	DIODE 1/M	DIODE 1/M		Q 957	2SC2785(HFE)	TRANSISTOR 1/M
D 976	ISS133	D 982	ISS133	DIODE 1/M	DIODE 1/M		Q 958	2SC2785(HFE)	TRANSISTOR 1/M
D 977	ISS133	D 983	ISS133	DIODE 1/M	DIODE 1/M		Q 959	2SC2785(HFE)	TRANSISTOR 1/M
D 978	ISS133	D 984	ISS133	DIODE 1/M	DIODE 1/M		Q 960	2SC2785(HFE)	TRANSISTOR 1/M
D 979	ISS133	D 985	ISS133	DIODE 1/M	DIODE 1/M		Q 961	2SC2785(HFE)	TRANSISTOR 1/M
D 980	ISS133	D 986	ISS133	DIODE 1/M	DIODE 1/M		Q 962	2SC2785(HFE)	TRANSISTOR 1/M
D 981	ISS133	D 987	ISS133	DIODE 1/M	DIODE 1/M		Q 963	2SC2785(HFE)	TRANSISTOR 1/M
D 982	ISS133	D 988	ISS133	DIODE 1/M	DIODE 1/M		Q 964	2SC2785(HFE)	TRANSISTOR 1/M
D 983	ISS133	D 989	ISS133	DIODE 1/M	DIODE 1/M		Q 965	2SC2785(HFE)	TRANSISTOR 1/M
D 984	ISS133	D 990	ISS133	DIODE 1/M	DIODE 1/M		Q 966	2SC2785(HFE)	TRANSISTOR 1/M
D 985	ISS133	D 991	ISS133	DIODE 1/M	DIODE 1/M		Q 967	2SC2785(HFE)	TRANSISTOR 1/M
D 986	ISS133	D 992	ISS133	DIODE 1/M	DIODE 1/M		Q 968	2SC2785(HFE)	TRANSISTOR 1/M
D 987	ISS133	D 993	ISS133	DIODE 1/M	DIODE 1/M		Q 969	2SC2785(HFE)	TRANSISTOR 1/M
D 988	ISS133	D 994	ISS133	DIODE 1/M	DIODE 1/M		Q 970	2SC2785(HFE)	TRANSISTOR 1/M
D 989	ISS133	D 995	ISS133	DIODE 1/M	DIODE 1/M		Q 971	2SC2785(HFE)	TRANSISTOR 1/M
D 990	ISS133	D 996	ISS133	DIODE 1/M	DIODE 1/M		Q 972	2SC2785(HFE)	TRANSISTOR 1/M
D 991	ISS133	D 997	ISS133	DIODE 1/M	DIODE 1/M		Q 973	2SC2785(HFE)	TRANSISTOR 1/M
D 992	ISS133	D 998	ISS133	DIODE 1/M	DIODE 1/M		Q 974	2SC2785(HFE)	TRANSISTOR 1/M
D 993	ISS133	D 999	ISS133	DIODE 1/M	DIODE 1/M		Q 975	2SC2785(HFE)	TRANSISTOR 1/M
D 994	ISS133	D 1000	ISS133	DIODE 1/M	DIODE 1/M		Q 976	2SC2785(HFE)	TRANSISTOR 1/M
D 995	ISS133	D 1001	ISS133	DIODE 1/M	DIODE 1/M		Q 977	2SC2785(HFE)	TRANSISTOR 1/M
D 996	ISS133	D 1002	ISS133	DIODE 1/M	DIODE 1/M		Q 978	2SC2785(HFE)	TRANSISTOR 1/M
D 997	ISS133	D 1003	ISS133	DIODE 1/M	DIODE 1/M		Q 979	2SC2785(HFE)	TRANSISTOR 1/M
D 998	ISS133	D 1004	ISS133	DIODE 1/M	DIODE 1/M		Q 980	2SC2785(HFE)	TRANSISTOR 1/M
D 999	ISS133	D 1005	ISS133	DIODE 1/M	DIODE 1/M		Q 981	2SC2785(HFE)	TRANSISTOR 1/M
D 1000	ISS133	D 1006	ISS133	DIODE 1/M	DIODE 1/M		Q 982	2SC2785(HFE)	TRANSISTOR 1/M
D 1001	ISS133	D 1007	ISS133	DIODE 1/M	DIODE 1/M		Q 983	2SC2785(HFE)	TRANSISTOR 1/M
D 1002	ISS133	D 1008	ISS133	DIODE 1/M	DIODE 1/M		Q 984	2SC2785(HFE)	TRANSISTOR 1/M
D 1003	ISS133	D 1009	ISS133	DIODE 1/M	DIODE 1/M		Q 985	2SC2785(HFE)	TRANSISTOR 1/M
D 1004	ISS133	D 1010	ISS133	DIODE 1/M	DIODE 1/M		Q 986	2SC2785(HFE)	TRANSISTOR 1/M
D 1005	ISS133	D 1011	ISS133	DIODE 1/M	DIODE 1/M		Q 987	2SC2785(HFE)	TRANSISTOR 1/M
D 1006	ISS133	D 1012	ISS133	DIODE 1/M	DIODE 1/M		Q 988	2SC2785(HFE)	TRANSISTOR 1/M
D 1007	ISS133	D 1013	ISS133	DIODE 1/M	DIODE 1/M		Q 989	2SC2785(HFE)	TRANSISTOR 1/M
D 1008	ISS133	D 1014	ISS133	DIODE 1/M	DIODE 1/M		Q 990	2SC2785(HFE)	TRANSISTOR 1/M
D 1009	ISS133	D 1015	ISS133	DIODE 1/M	DIODE 1/M		Q 991	2SC2785(HFE)	TRANSISTOR 1/M
D 1010	ISS133	D 1016	ISS133	DIODE 1/M	DIODE 1/M		Q 992	2SC2785(HFE)	TRANSISTOR 1/M
D 1011	ISS133	D 1017	ISS133	DIODE 1/M	DIODE 1/M		Q 993	2SC2785(HFE)	TRANSISTOR 1/M
D 1012	ISS133	D 1018	ISS133	DIODE 1/M	DIODE 1/M		Q 994	2SC	

BLOCK NO. 01111111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q 941	2SB562(C)	TRANSISTOR				R 045	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
Q 942	2SC2785(HFE)	TRANSISTOR I/M				R 047	GRD161J-103	C.RESISTOR	10K 3% 1/6W		
Q 991	DTA144ES	TRANSISTOR I/M				R 048	GRD161J-331Y	C.RESISTOR	330 5% 1/6W		
QA121	2SC2785(HFE)	HDUB EQ				R 049	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
QA122	2SC2785(HFE)	TRANSISTOR I/M	REC MUTE			R 051	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
QA221	2SC2785(HFE)	TRANSISTOR I/M				R 052	GRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
QA222	2SC2785(HFE)	TRANSISTOR I/M	REC MUTE			R 053	GRD161J-771	C.RESISTOR	4.7K 5% 1/6W		
QA321	DTC114S	TRANSISTOR I/M	REC MUTE			R 054	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		
QA322	2SC2785(P,Q)	TRANSISTOR I/M	ALC SW			R 055	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		
QA341	2SC945L(L,K)	TRANSISTOR I/M				R 056	GRD167J-332	C.RESISTOR	3.3K 5% 1/6W		
QA342	2SC22001(L,K)	TRANSISTOR I/M				R 057	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
QA343	2SC2785(HFE)	TRANSISTOR I/M				R 058	GRD161J-223	C.RESISTOR	22K 5% 1/6W		
QA344	2SC2785(HFE)	TRANSISTOR I/M				R 101	GRD161J-331Y	C.RESISTOR	330 5% 1/6W		
QA345	2SC2785(HFE)	TRANSISTOR I/M				R 102	GRD161J-223	C.RESISTOR	22K 5% 1/6W		
QA346	2SC2785(HFE)	TRANSISTOR I/M				R 105	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
QA351	DTC144ES	TRANSISTOR I/M				R 106	GRD161J-R2	C.RESISTOR	2.2 K 5% 1/6W		
QA352	2SC2785(HFE)	TRANSISTOR I/M				R 107	GRD161J-121	C.RESISTOR	120 5% 1/6W		
QA361	2SA1175	TRANSISTOR I/M				R 108	GRD161J-122	C.RESISTOR	2.2K 5% 1/6W		
QA362	DTC114YS	TRANSISTOR I/M				R 112	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 001	GRD161J-104	C.RESISTOR	100K 5% 1/6W			R 123	GRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 002	GRD161J-73	C.RESISTOR	47K 5% 1/6W			R 125	GRD161J-394	C.RESISTOR	390K 5% 1/6W		
R 003	GRD167J-4R7	C.RESISTOR	4.7 5% 1/6W			R 126	GRD161J-561	C.RESISTOR	560 5% 1/6W		
R 004	GRD167J-102	C.RESISTOR	1.0K 5% 1/6W			R 127	GRD161J-105	C.RESISTOR	1.0M 5% 1/6W		
R 005	GRD161J-823	C.RESISTOR	82K 5% 1/6W			R 128	GRD161J-105	C.RESISTOR	1.0M 5% 1/6W		
R 006	GRD161J-101	C.RESISTOR	100 5% 1/6W			R 141	GRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 008	GRD161J-101	C.RESISTOR	100 5% 1/6W			R 142	GRD161J-473	C.RESISTOR	47K 5% 1/6W		
R 009	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W			R 143	GRD161J-393	C.RESISTOR	39K 5% 1/6W		
R 010	GRD161J-101	C.RESISTOR	100 5% 1/6W			R 146	GRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 012	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 151	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 013	GRD161J-104	C.RESISTOR	100K 5% 1/6W			R 152	GRD161J-183	C.RESISTOR	18K 5% 1/6W		
R 014	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 153	GRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 015	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 155	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 016	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 157	GRD167J-682	C.RESISTOR	6.8K 5% 1/6W		
R 017	GRD161J-104	C.RESISTOR	100K 5% 1/6W			R 158	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 018	GRD161J-102	C.RESISTOR	10K 5% 1/6W			R 161	GRD167J-332	C.RESISTOR	3.3K 5% 1/6W		
R 019	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 181	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		
R 020	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W			R 183	GRD161J-122	C.RESISTOR	1.2K 5% 1/6W		
R 021	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 184	GRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 022	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 185	GRD161J-331Y	C.RESISTOR	330 5% 1/6W		
R 023	GRD161J-564	C.RESISTOR	560K 5% 1/6W			R 186	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		
R 024	GRD161J-153	C.RESISTOR	330 5% 1/6W			R 187	GRD161J-475	C.RESISTOR	4.7M 5% 1/6W		
R 025	GRD161J-331Y	C.RESISTOR	330K 5% 1/6W			R 188	GRD161J-475	C.RESISTOR	4.7M 5% 1/6W		
R 027	GRD161J-331Y	C.RESISTOR	330 5% 1/6W			R 201	GRD161J-331Y	C.RESISTOR	330 5% 1/6W		
R 029	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 202	GRD161J-331Y	C.RESISTOR	330 5% 1/6W		
R 030	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 205	GRD161J-273	C.RESISTOR	2.2K 5% 1/6W		
R 031	GRD161J-153	C.RESISTOR	15K 5% 1/6W			R 206	GRD161J-2R2	C.RESISTOR	2.2 K 5% 1/6W		
R 034	GRD161J-334	C.RESISTOR	2.2K 5% 1/6W			R 207	GRD161J-2R2	C.RESISTOR	2.2 K 5% 1/6W		
R 035	GRD161J-103	C.RESISTOR	2.2K 5% 1/6W			R 208	GRD167J-121	C.RESISTOR	120 5% 1/6W		
R 036	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 221	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		
R 037	GRD161J-560	C.RESISTOR	56 5% 1/6W			R 222	GRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 040	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 223	GRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 041	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 225	GRD161J-394	C.RESISTOR	390K 5% 1/6W		
R 042	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 226	GRD161J-561	C.RESISTOR	560 5% 1/6W		
R 043	GRD161J-103	C.RESISTOR	10K 5% 1/6W			R 227	GRD161J-105	C.RESISTOR	1.0M 5% 1/6W		
R 044	GRD161J-103	C.RESISTOR	10K 5% 1/6W								

BLOCK NO. 01111111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 228	QRD161J-105	C.RESISTOR	1.0M 5% 1/6W			R 925	QRD161J-224	C.RESISTOR	220K 5% 1/6W		
R 241	QRD161J-104	C.RESISTOR	100K 5% 1/6W			R 926	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 242	QRD161J-473	C.RESISTOR	47K 5% 1/6W			R 927	QRD161J-822	C.RESISTOR	8.2K 5% 1/6W		
R 243	QRD161J-393	C.RESISTOR	39K 5% 1/6W			R 928	QRD161J-822	C.RESISTOR	8.2K 5% 1/6W		
R 246	QRD161J-103	C.RESISTOR	10K 5% 1/6W			R 931	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
R 251	QRD161J-273	C.RESISTOR	27K 5% 1/6W			R 932	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W		
R 252	QRD161J-183	C.RESISTOR	18K 5% 1/6W			R 933	QRD161J-272	C.RESISTOR	1.0K 5% 1/6W		
R 253	QRD161J-104	C.RESISTOR	100K 5% 1/6W			R 934	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 255	QRD161J-273	C.RESISTOR	27K 5% 1/6W			R 941	QRD161J-471	C.RESISTOR	470 5% 1/6W		
R 257	QRD161J-682	C.RESISTOR	6.8K 5% 1/6W			R 942	QRD161J-223	C.RESISTOR	22K 5% 1/6W		
R 258	QRD161J-273	C.RESISTOR	27K 5% 1/6W			R 943	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 261	QRD161J-332	C.RESISTOR	3.3K 5% 1/6W			R 944	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 281	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W			R 991	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 283	QRD161J-122	C.RESISTOR	1.2K 5% 1/6W			RA103	QRD161J-560	C.RESISTOR	56 5% 1/6W		
R 284	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W			RA104	QRD161J-123Y	C.RESISTOR	12K 5% 1/6W		
R 285	QRD161J-332Y	C.RESISTOR	330 5% 1/6W			RA105	QRD161J-153	C.RESISTOR	15K 5% 1/6W		
R 286	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W			RA106	QRD167J-562	C.RESISTOR	5.6K 5% 1/6W		
R 287	QRD161J-475	C.RESISTOR	4.7M 5% 1/6W			RA107	QRD161J-153	C.RESISTOR	15K 5% 1/6W		
R 288	QRD161J-475	C.RESISTOR	4.7M 5% 1/6W			RA108	QRD161J-183	C.RESISTOR	18K 5% 1/6W		
R 321	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA111	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 322	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA121	QRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 323	QRD161J-2R2	C.RESISTOR	2.2K 5% 1/6W			RA122	QRD161J-823	C.RESISTOR	82K 5% 1/6W		
R 324	QRD161J-104	C.RESISTOR	100K 5% 1/6W			RA123	QRD161J-681	C.RESISTOR	680 5% 1/6W		
R 341	QRD161J-103	C.RESISTOR	10K 5% 1/6W			RA124	QRD161J-821	C.RESISTOR	820 5% 1/6W		
R 342	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA125	QRD161J-560	C.RESISTOR	56 5% 1/6W		
R 343	QRD161J-221	C.RESISTOR	220 5% 1/6W			RA126	QRD161J-561	C.RESISTOR	560 5% 1/6W		
R 366	QRD167J-332	C.RESISTOR	3.3K 5% 1/6W			RA127	QRD161J-823	C.RESISTOR	82K 5% 1/6W		
R 367	QRD167J-332	C.RESISTOR	2.2K 5% 1/6W			RA128	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 368	QRD167J-332	C.RESISTOR	100K 5% 1/6W			RA129	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 369	QRD167J-332	C.RESISTOR	3.3K 5% 1/6W			RA130	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 370	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA131	QRD161J-392	C.RESISTOR	3.9K 5% 1/6W		
R 371	QRD161J-680	C.RESISTOR	68 5% 1/6W			RA132	QRD161J-333	C.RESISTOR	33K 5% 1/6W		
R 372	QRD167J-332	C.RESISTOR	160K 5% 1/6W			RA133	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 383	QRD167J-682	C.RESISTOR	3.3K 5% 1/6W			RA134	QRD161J-562	C.RESISTOR	5.6K 5% 1/6W		
R 384	QRD161J-473	C.RESISTOR	4.7M 5% 1/6W			RA135	QRD161J-560	C.RESISTOR	56 5% 1/6W		
R 385	QRD161J-183	C.RESISTOR	18K 5% 1/6W			RA136	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 386	QRD161J-333	C.RESISTOR	33K 5% 1/6W			RA137	QRD161J-823	C.RESISTOR	82K 5% 1/6W		
R 387	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA138	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 388	QRD161J-182	C.RESISTOR	1.8K 5% 1/6W			RA139	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 389	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W			RA140	QRD161J-560	C.RESISTOR	56 5% 1/6W		
R 901	QRD161J-471	C.RESISTOR	470 5% 1/6W			RA204	QRD161J-123Y	C.RESISTOR	12K 5% 1/6W		
R 902	QRD161J-564	C.RESISTOR	560K 5% 1/6W			RA205	QRD161J-153	C.RESISTOR	5.6K 5% 1/6W		
R 903	QRD161J-471	C.RESISTOR	470 5% 1/6W			RA206	QRD161J-562	C.RESISTOR	5.6K 5% 1/6W		
R 904	QRD161J-473	C.RESISTOR	4.7K 5% 1/6W			RA207	QRD161J-153	C.RESISTOR	15K 5% 1/6W		
R 905	QRD161J-103	C.RESISTOR	10K 5% 1/6W			RA208	QRD161J-183	C.RESISTOR	18K 5% 1/6W		
R 906	QRD161J-223	C.RESISTOR	22K 5% 1/6W			RA211	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 907	QRD161J-101	C.RESISTOR	100K 5% 1/6W			RA221	QRD161J-273	C.RESISTOR	27K 5% 1/6W		
R 908	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W			RA222	QRD161J-823	C.RESISTOR	82K 5% 1/6W		
R 909	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W			RA223	QRD161J-681	C.RESISTOR	680 5% 1/6W		
R 910	QRD161J-104	C.RESISTOR	100K 5% 1/6W			RA224	QRD161J-821	C.RESISTOR	820 5% 1/6W		
R 911	QRD161J-182	C.RESISTOR	1.8K 5% 1/6W			RA225	QRD161J-560	C.RESISTOR	56 5% 1/6W		
R 912	QRD167J-332	C.RESISTOR	3.3K 5% 1/6W			RA226	QRD161J-561	C.RESISTOR	560 5% 1/6W		
R 921	QRD161J-271	C.RESISTOR	270 5% 1/6W			RA227	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
R 923	QRD161J-471	C.RESISTOR	470 5% 1/6W			RA229	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 924	QRD161J-224	C.RESISTOR	220K 5% 1/6W			RA230	QRD161J-472Y	C.RESISTOR	4.7K 5% 1/6W		
						RA231	QRD161J-392	C.RESISTOR	3.9K 5% 1/6W		
						RA232	QRD161J-333	C.RESISTOR	33K 5% 1/6W		
						RA233	QRD161J-103	C.RESISTOR	10K 5% 1/6W		
						RA241	QRD167J-562	C.RESISTOR	5.6K 5% 1/6W		

■ CD amplifier P.C. board

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
RA301	QRD161J-331Y	C.RESISTOR	330 5% 1/6W	
RA302	QRD161J-104	C.RESISTOR	100K 5% 1/6W	
RA303	QRD161J-333	C.RESISTOR	33K 5% 1/6W	
RA305	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA306	QRD161J-104	C.RESISTOR	100K 5% 1/6W	
RA307	QRD161J-333	C.RESISTOR	33K 5% 1/6W	
RA315	QRD161J-221	C.RESISTOR	220 5% 1/6W	
RA316	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA317	QRD161J-272	C.RESISTOR	2.7K 5% 1/6W	
RA321	QRD161J-121	C.RESISTOR	120 5% 1/6W	
RA322	QRD161J-475	C.RESISTOR	4.7M 5% 1/6W	
RA323	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA327	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W	
RA341	QRD14CJ-470SX	C.RESISTOR	47 5% 1/4W	
RA342	QRD161J-101	C.RESISTOR	100 5% 1/6W	
RA343	QRD161J-339Y	C.RESISTOR	3.9 5% 1/6W	
RA344	QRD161J-153	C.RESISTOR	15K 5% 1/6W	
RA345	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA347	QRD161J-123Y	C.RESISTOR	12K 5% 1/6W	
RA348	QRD167J-332	C.RESISTOR	3.3K 5% 1/6W	
RA350	QRD161J-182	C.RESISTOR	1.8K 5% 1/6W	
RA351	QRD161J-103	C.RESISTOR	10K 5% 1/6W	
RA352	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA353	QRD161J-394	C.RESISTOR	390K 5% 1/6W	
RA354	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RA361	QRD161J-272	C.RESISTOR	2.7K 5% 1/6W	
RA363	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RE 1	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RE 2	QRD167J-332	C.RESISTOR	3.3K 5% 1/6W	
RE 3	QRD161J-473	C.RESISTOR	47K 5% 1/6W	
RT 01	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W	
RT 02	QRD161J-103	C.RESISTOR	10K 5% 1/6W	
RT 03	QRD161J-223	C.RESISTOR	22K 5% 1/6W	
RT 04	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W	
RT 05	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W	
RT 06	QRD161J-222	C.RESISTOR	2.2K 5% 1/6W	
RT 07	QRD161J-102	C.RESISTOR	1.0K 5% 1/6W	
RT 08	QRD161J-223	C.RESISTOR	22K 5% 1/6W	
RT 09	QRD161J-104	C.RESISTOR	100K 5% 1/6W	
RZ101	QRD161J-333	C.RESISTOR	33K 5% 1/6W	
RZ103	QRD161J-104	C.RESISTOR	100K 5% 1/6W	
RZ201	QRD161J-333	C.RESISTOR	33K 5% 1/6W	
RZ203	QRD161J-104	C.RESISTOR	100K 5% 1/6W	
T 001	QTT7F12-110	I.F.T.	FM IF	
T 002	QTT7A21-107	I.F.T.		
TC 02	QAT3722-300ZM	MW RF CAPACITOR		
TC 03	QAT3722-300ZM	C.RESISTOR		
TP 01	VM20015-002	POST PIN		
VRA41	QV23523-203AZ	V.RESISTOR 1M		
VRA61	QV23523-102AZ	V.RESISTOR		
X 001	V477124-A0	CRYSTAL		

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. [011111]	BLOCK NO. [021111]	BLOCK NO. [031111]
C 501	QCBB1HK-821Y	C.CAPACITOR	820PF 10% 50V				
C 503	QCVB1CM-103Y	C.CAPACITOR	0.10MF 20% 16V				
C 504	QETC1CM-106Z	C.CAPACITOR	10MF 20% 16V				
C 511	QCSB1HK-3R9	C.CAPACITOR	3.9PF 10% 50V				
C 512	QCSB1HJ-270Y	C.CAPACITOR	27PF 5% 50V				
C 513	QFLC1HJ-104ZM	M.CAPACITOR	.10MF 5% 50V				
C 514	QFN31HJ-103Y	M.CAPACITOR	.010MF 5% 50V				
C 521	QCBB1HK-331Y	C.CAPACITOR	330PF 10% 50V				
C 522	QFLC1HJ-4732M	TF.CAPACITOR	.047MF 5% 50V				
C 523	QFV71HJ-154Z	TF.CAPACITOR	.15MF 5% 50V				
C 524	QEN61ER-4752N	E.CAPACITOR	.47MF 20% 10%				
C 525	QETC1AM-3362M	E.CAPACITOR	33MF 20% 10V				
C 526	QFLC1HJ-1032	M.CAPACITOR	.10MF 5% 50V				
C 527	QFN31HJ-1052	M.CAPACITOR	.039MF 5% 50V				
C 528	QEN61IM-1052	M.CAPACITOR	.10MF 20% 50V				
C 529	QETC1AM-2232M	M.CAPACITOR	.022MF 20% 50V				
C 530	QFLC1AM-476Z	E.CAPACITOR	.47MF 20% 10V				
C 531	QFN31HJ-1052	M.CAPACITOR	.010MF 5% 50V				
C 532	QEN61IM-1052	M.CAPACITOR	.039MF 5% 50V				
C 533	QETC1AM-4752	E.CAPACITOR	.47MF 20% 16V				
C 534	QFN31HJ-1032	M.CAPACITOR	.010MF 5% 50V				
C 535	QEN61IM-1052	M.CAPACITOR	.039MF 5% 50V				
C 536	QETC1AM-4752	E.CAPACITOR	.47MF 20% 50V				
C 537	QETC1AM-4772N	E.CAPACITOR	.47MF 20% 10V				
C 538	QETC1AM-1072Z	E.CAPACITOR	.47MF 20% 10V				
C 539	QPO012-1052	C.CAPACITOR	100MF 20% 10V				
C 540	QCP0012-1052	C.CAPACITOR	.010MF 20% 50V				
C 541	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V				
C 542	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 543	QETC1AM-1072Z	E.CAPACITOR	.47MF 20% 50V				
C 544	QFN31HJ-100	C.CAPACITOR	100MF 20% 10V				
C 545	QCS11HJ-100	C.CAPACITOR	.010MF 20% 10V				
C 546	QCS11HJ-100	C.CAPACITOR	.010MF 20% 10V				
C 547	QEN61IM-1052	M.CAPACITOR	.047MF 20% 25V				
C 548	QCC11EM-473V	C.CAPACITOR	.010MF 20% 25V				
C 549	QCC11EM-473V	C.CAPACITOR	.010MF 20% 25V				
C 550	QCC11EM-104V	C.CAPACITOR	.010MF 20% 25V				
C 551	QCC11EM-104V	C.CAPACITOR	.010MF 20% 25V				
C 552	QETC1AM-1072Z	E.CAPACITOR	.47MF 20% 50V				
C 553	QFN31HJ-100	C.CAPACITOR	100MF 20% 10V				
C 554	QCS11HJ-100	C.CAPACITOR	.010MF 20% 10V				
C 555	QEN61IM-1052	M.CAPACITOR	.010MF 20% 10V				
C 556	QEN61IM-1052	M.CAPACITOR	.010MF 20% 10V				
C 557	QEN61IM-1052	M.CAPACITOR	.010MF 20% 10V				
C 558	QEN61IM-1052	M.CAPACITOR	.010MF 20% 10V				
C 559	QEN61IM-1052	M.CAPACITOR	.010MF 20% 10V				
C 560	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 561	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 562	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 563	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 564	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 565	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 566	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 567	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 568	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 569	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 570	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 571	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 572	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 573	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 574	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 575	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 576	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 577	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 578	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 579	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 580	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 581	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 582	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 583	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 584	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 585	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 586	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 587	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 588	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 589	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 590	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 591	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 592	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 593	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 594	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 595	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 596	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 597	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 598	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 599	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 600	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 601	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 602	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 603	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 604	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 605	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 606	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 607	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 608	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 609	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 610	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 611	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 612	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 613	QCC11EM-104V	C.CAPACITOR	.010MF 20% 10V				
C 614	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 615	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 616	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 617	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 618	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 619	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 620	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 621	QFN31HJ-1332Z	M.CAPACITOR	.330PF 5% 50V				
C 622	QCB1HK-271Y	C.CAPACITOR	270PF 10% 50V			</	

BLOCK NO. 02111111

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
IC601	TC9236AF	I.C.	1 CHIP PROCESSOR		R 615	GRD161J-225	C-RESISTOR	2.2M 5% 1/6W
IC603	TQ9278FS	I.C.	D/A CONVERTER		R 616	GRD161J-333	C-RESISTOR	33K 5% 1/6W
IC604	BA15218N	I.C.	L.P.F.		R 631	GRD161J-820	C-RESISTOR	82 5% 1/6W
K 693	VZ20048-009	INDUCTOR 1/M			R 632	GRD161J-820	C-RESISTOR	82 5% 1/6W
L 691	VQP0018-100	INDUCTOR			R 635	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W
L 692	VQP0028-1002	INDUCTOR 1/M			R 638	GRD161J-331Y	C-RESISTOR	330 5% 1/6W
L 693	VQP0028-1002	TRANSISTOR 1/M			R 639	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W
Q 501	2SA95 (L.K)	TRANSISTOR 1/M			R 641	GRD161J-473	C-RESISTOR	47K 5% 1/6W
Q 581	2SA952 (L.K)	TRANSISTOR 1/M			R 651	GRD161J-820	C-RESISTOR	82 5% 1/6W
Q 591	2SA952 (L.K)	TRANSISTOR 1/M			R 652	GRD161J-473	C-RESISTOR	47K 5% 1/6W
R 501	GRD161J-124	C-RESISTOR	120K 5% 1/6W		R 653	GRD161J-473	C-RESISTOR	47K 5% 1/6W
R 502	GRD161J-103	C-RESISTOR	10K 5% 1/6W		R 661	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 504	GRD161J-202	C-RESISTOR	2.0K 5% 1/6W		R 662	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 505	GRD161J-100	C-RESISTOR	10 5% 1/6W		R 663	GRD161J-333	C-RESISTOR	33K 5% 1/6W
R 506	GRD161J-101	C-RESISTOR	100 5% 1/6W		R 664	GRD161J-333	C-RESISTOR	33K 5% 1/6W
R 511	GRD161J-183	C-RESISTOR	18K 5% 1/6W		R 665	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 512	GRD161J-392	C-RESISTOR	3.9K 5% 1/6W		R 666	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 513	GRD167J-352	C-RESISTOR	3.3K 5% 1/6W		R 669	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W
R 514	GRD161J-472Y	C-RESISTOR	4.7K 5% 1/6W		R 671	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 515	GRD161J-103	C-RESISTOR	10K 5% 1/6W		R 672	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 516	GRD161J-103	C-RESISTOR	10K 5% 1/6W		R 673	GRD161J-333	C-RESISTOR	33K 5% 1/6W
R 517	GRD161J-202	C-RESISTOR	2.0K 5% 1/6W		R 674	GRD161J-333	C-RESISTOR	33K 5% 1/6W
R 521	GRD161J-154	C-RESISTOR	150K 5% 1/6W		R 675	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 522	GRD161J-152Y	C-RESISTOR	3.9K 5% 1/6W		R 676	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W
R 523	GRD161J-472Y	C-RESISTOR	4.7K 5% 1/6W		R 679	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W
R 524	GRD161J-331Y	C-RESISTOR	330 5% 1/6W		VR501	QV73523-154A2	V RESISTOR	
R 525	GRD161J-472Y	C-RESISTOR	4.7K 5% 1/6W	X 601	VCX5016-934V	CRYSTAL	16.934MHZ	
R 529	GRD167J-562	C-RESISTOR	5.6K 5% 1/6W					
R 531	GRD161J-473	C-RESISTOR	4.7K 5% 1/6W					
R 532	GRD161J-106	C-RESISTOR	100K 5% 1/6W					
R 533	GRD161J-153	C-RESISTOR	15K 5% 1/6W					
R 541	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W					
R 542	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W					
R 543	GRD161J-473	C-RESISTOR	4.7K 5% 1/6W					
R 544	GRD161J-223	C-RESISTOR	22K 5% 1/6W					
R 545	GRD161J-103	C-RESISTOR	10K 5% 1/6W					
R 548	GRD161J-153	C-RESISTOR	15K 5% 1/6W					
R 549	GRD161J-821	C-RESISTOR	820 5% 1/6W					
R 550	GRD161J-104	C-RESISTOR	100K 5% 1/6W					
R 551	GRD161J-223	C-RESISTOR	22K 5% 1/6W					
R 552	GRD167J-562	C-RESISTOR	10K 5% 1/6W					
R 553	GRD161J-821	C-RESISTOR	15K 5% 1/6W					
R 555	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W					
R 559	GRD161J-125	C-RESISTOR	1.2M 5% 1/6W					
R 561	GRD167J-562	C-RESISTOR	5.6K 5% 1/6W					
R 562	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W					
R 563	GRD161J-152	C-RESISTOR	1.5K 5% 1/6W					
R 564	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W					
R 565	GRD161J-683Y	C-RESISTOR	68K 5% 1/6W					
R 566	GRD161J-273	C-RESISTOR	27K 5% 1/6W					
R 583	GRD161J-101	C-RESISTOR	100 5% 1/6W					
R 611	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W					
R 612	GRD161J-103	C-RESISTOR	10K 5% 1/6W					
R 613	GRD161J-224	C-RESISTOR	220K 5% 1/6W					
R 614	GRD161J-473	C-RESISTOR	47K 5% 1/6W					

BLOCK NO. 02111111

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
IC601	TC9236AF	I.C.	1 CHIP PROCESSOR	
IC603	TQ9278FS	I.C.	D/A CONVERTER	
IC604	BA15218N	I.C.	L.P.F.	
K 693	VZ20048-009	INDUCTOR 1/M		
L 691	VQP0018-100	INDUCTOR		
L 692	VQP0028-1002	INDUCTOR 1/M		
L 693	VQP0028-1002	TRANSISTOR 1/M		
Q 501	2SA95 (L.K)	TRANSISTOR 1/M		
Q 581	2SA952 (L.K)	TRANSISTOR 1/M		
Q 591	2SA952 (L.K)	TRANSISTOR 1/M		
R 501	GRD161J-124	C-RESISTOR	120K 5% 1/6W	
R 502	GRD161J-103	C-RESISTOR	10K 5% 1/6W	
R 504	GRD161J-202	C-RESISTOR	2.0K 5% 1/6W	
R 505	GRD161J-100	C-RESISTOR	10 5% 1/6W	
R 506	GRD161J-101	C-RESISTOR	100 5% 1/6W	
R 511	GRD161J-183	C-RESISTOR	18K 5% 1/6W	
R 512	GRD161J-392	C-RESISTOR	3.9K 5% 1/6W	
R 513	GRD167J-352	C-RESISTOR	3.3K 5% 1/6W	
R 514	GRD161J-472Y	C-RESISTOR	4.7K 5% 1/6W	
R 515	GRD161J-103	C-RESISTOR	10K 5% 1/6W	
R 516	GRD161J-103	C-RESISTOR	10K 5% 1/6W	
R 517	GRD161J-202	C-RESISTOR	2.0K 5% 1/6W	
R 521	GRD161J-154	C-RESISTOR	150K 5% 1/6W	
R 522	GRD161J-152Y	C-RESISTOR	3.9K 5% 1/6W	
R 523	GRD161J-472Y	C-RESISTOR	4.7K 5% 1/6W	
R 524	GRD161J-331Y	C-RESISTOR	330 5% 1/6W	
R 525	GRD167J-472Y	C-RESISTOR	4.7K 5% 1/6W	
R 529	GRD167J-562	C-RESISTOR	5.6K 5% 1/6W	
R 531	GRD161J-473	C-RESISTOR	4.7K 5% 1/6W	
R 532	GRD161J-106	C-RESISTOR	100K 5% 1/6W	
R 533	GRD161J-153	C-RESISTOR	15K 5% 1/6W	
R 541	GRD161J-123Y	C-RESISTOR	12K 5% 1/6W	
R 542	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W	
R 543	GRD161J-473	C-RESISTOR	4.7K 5% 1/6W	
R 544	GRD161J-223	C-RESISTOR	22K 5% 1/6W	
R 545	GRD161J-103	C-RESISTOR	10K 5% 1/6W	
R 548	GRD161J-153	C-RESISTOR	15K 5% 1/6W	
R 549	GRD161J-821	C-RESISTOR	820 5% 1/6W	
R 550	GRD161J-104	C-RESISTOR	100K 5% 1/6W	
R 551	GRD161J-223	C-RESISTOR	22K 5% 1/6W	
R 552	GRD167J-562	C-RESISTOR	10K 5% 1/6W	
R 553	GRD161J-821	C-RESISTOR	15K 5% 1/6W	
R 555	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W	
R 559	GRD161J-125	C-RESISTOR	1.2M 5% 1/6W	
R 561	GRD167J-562	C-RESISTOR	5.6K 5% 1/6W	
R 562	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W	
R 563	GRD161J-152	C-RESISTOR	1.5K 5% 1/6W	
R 564	GRD167J-332	C-RESISTOR	3.3K 5% 1/6W	
R 565	GRD161J-683Y	C-RESISTOR	68K 5% 1/6W	
R 566	GRD161J-273	C-RESISTOR	27K 5% 1/6W	
R 583	GRD161J-101	C-RESISTOR	100 5% 1/6W	
R 611	GRD161J-102	C-RESISTOR	1.0K 5% 1/6W	
R 612	GRD161J-103	C-RESISTOR	10K 5% 1/6W	
R 613	GRD161J-224	C-RESISTOR	220K 5% 1/6W	
R 614	GRD161J-473	C-RESISTOR	47K 5% 1/6W	

■ System micon. control P.C. board

BLOCK NO 03

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 701	GCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 702	GEK61HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 703	GEK61HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 705	GEK61HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 802	GCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 803	GCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
C 804	GCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
C 807	GCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
C 808	GCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
C 809	GCT30CH-150Y	E-CAPACITOR	.015PF 5% 50V	
C 811	GEK61AM-107Z	E-CAPACITOR	100MF 20% 10V	
C 812	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 813	GCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C 814	GEK41CM-476	E-CAPACITOR	.010MF 20% 16V	
C 815	GEK61HM-105Z	E-CAPACITOR	1.0MF 20% 50V	
C 816	GCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
C A801	VGR0024-001	C-NETWORK		
CM 01	GEK61AM-107Z	E-CAPACITOR	100MF 20% 10V	
CM 02	GCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 03	GCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 04	QCBB1HK-151Y	C-CAPACITOR	1000PF 10% 50V	
CM 05	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 07	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
CM 08	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
CM 09	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
CM 10	GEK61EM-475Z	E-CAPACITOR	4.7MF 20% 25V	
CM 11	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 12	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 13	QCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
CM 14	QCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
CM 15	QCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
CM 16	QCT30CH-150Y	C-CAPACITOR	15PF 5% 50V	
CM 17	QCT25CH-110Z	C-CAPACITOR	51PF 5% 50V	
CM 18	QCT25CH-110Z	C-CAPACITOR	51PF 5% 50V	
CM 19	QCBB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
CM 20	QCBB1HK-102Y	C-CAPACITOR	1000PF 10% 50V	
CM 21	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 22	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 23	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 31	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 32	QCBB1HK-151Y	C-CAPACITOR	150PF 10% 50V	
CM 87	QE61CM-226ZM	E-CAPACITOR	22MF 20% 16V	
CN 99	QE1C1AM-477ZN	E-CAPACITOR	470MF 20% 10V	
CNB01	VNC0192-P09	CONNECTOR	MAIN	
CNB02	VNC0192-P09	CONNECTOR	MAIN	
CNB03	VNC0192-P09	CONNECTOR	MAIN	
CNB04	VNC0192-P09	CONNECTOR	MAIN	
CNB05	VNC0163-R11	CONNECTOR	CD	
D 801	M4719	DIODE 1/M		
D 802	ISS133	DIODE 1/M		
D 803	ISS133	DIODE 1/M		
D 804	ISS133	DIODE 1/M		
D 805	ISS133	DIODE 1/M		
D 806	ISS133	DIODE 1/M		
D 807	WT23.6JB	DIODE 1/M		
D 808	ISS133	DIODE 1/M		

(No. 1892)

BLOCK NO. 03

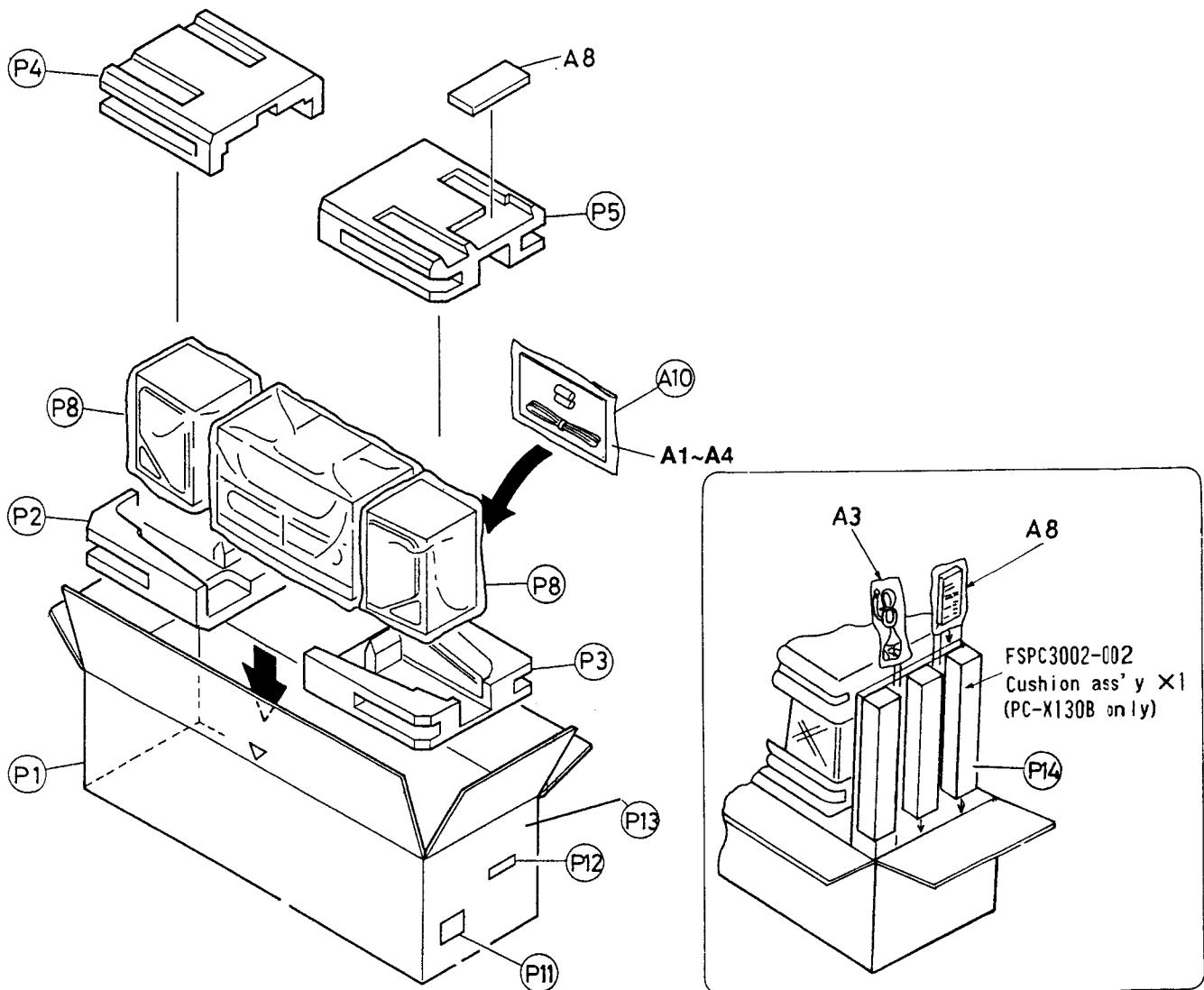
A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D 811	SLR-T4MNGF42	LED	POWER(GREEN)		
D 812	SLR-T4VC3F	LED	STANDBY(RED)		
D 813	SLR-S05VCA47	LED	AHB LED		
D 814	SLR-S05VCA47	LED	I/M		
D 815	SLR-S05VCA47	LED	I/M		
DM 01	ISS133	DIODE	I/M		
DM 02	ISS133	DIODE	I/M		
DM 03	ISS133	DIODE	I/M		
DM 04	ISS133	DIODE	I/M		
DM 05	ISS133	DIODE	I/M		
DM 06	ISS133	DIODE	I/M		
DM 07	ISS133	DIODE	I/M		
DM 86	M7ZJ6.2B	Z DIODE			
IC701	BA10324	IC	U-COM		
IC801	MN1871610UCX2	IC	B-UP		
IC802	PST529C	IC	RESET		
IC803	PST529H-T	RM	SENSOR		
IC804	PS-420-1	INDUCTOR	I/M		
L 801	VQP0028-100Z	INDUCTOR	I/M		
L 802	VQP0018-4R7	INDUCTOR	I/M		
L 803	VQP0018-4R7	INDUCTOR	I/M		
LCD81	FSGL1002-001	LCD			
LM 01	VQP0018-4R7	INDUCTOR	I/M		
LM 02	VQP0018-4R7	INDUCTOR	I/M		
LM 04	VQP0018-4R7	INDUCTOR	I/M		
PL8001	FSGZ0001-001	LAMP			
PL802	FSGZ0001-001	TRANSISTOR	I/M		
Q 801	2SC945L(P,Q)	TRANSISTOR	I/M		
Q 802	2SC945L(P,Q)	TRANSISTOR	I/M		
Q 803	2SA952(L,K)	TRANSISTOR	I/M		
Q 804	DTC114YS	TRANSISTOR	I/M		
Q 805	DTC114YS	TRANSISTOR	I/M		
Q 806	DTC114YS	TRANSISTOR	I/M		
Q 807	DTC114YS	TRANSISTOR	I/M		
Q 808	2SA952(L,K)	TRANSISTOR	I/M		
QM 86	DC123YS	TRANSISTOR			
R 701	GRD167J-562	C.RESISTOR	5.6K 5% 1/6W		
R 702	GRD167J-562	C.RESISTOR	5.6K 5% 1/6W		
R 703	GRD167J-562	C.RESISTOR	5.6K 5% 1/6W		
R 704	GRD167J-562	C.RESISTOR	5.6K 5% 1/6W		
R 713	GRD161J-103	C.RESISTOR	10K 5% 1/6W		
R 714	GRD161J-473	C.RESISTOR	47K 5% 1/6W		
R 716	GRD161J-562	C.RESISTOR	100K 5% 1/6W		
R 717	GRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 718	QRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 722	QRD161J-332	C.RESISTOR	3.3K 5% 1/6W		
R 723	QRD161J-152	C.RESISTOR	1.5K 5% 1/6W		
R 724	QRD161J-224	C.RESISTOR	220K 5% 1/6W		
R 801	QRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 803	QRD161J-104	C.RESISTOR	100K 5% 1/6W		
R 804	QRD161J-223	C.RESISTOR	22K 5% 1/6W		
R 805	QRD161J-681	C.RESISTOR	680 5% 1/6W		
R 806	QRD161J-681	C.RESISTOR	680 5% 1/6W		

BLOCK NO. 03111111

A REF.	PARTS NO.	PARTS NAME	SUFFIX	REMARKS	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 807	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 865	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 808	GRD161J-271	C.RESISTOR	270 5% 1/6W		R 866	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 809	GRD161J-683Y	C.RESISTOR	68K 5% 1/6W		R 867	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 811	GRD161J-683Y	C.RESISTOR	68K 5% 1/6W		R 868	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 812	GRD161J-221	C.RESISTOR	220 5% 1/6W		R 869	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 813	GRD161J-221	C.RESISTOR	220 5% 1/6W		R 870	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 814	GRD161J-221	C.RESISTOR	220 5% 1/6W		R 871	GRD161J-103	C.RESISTOR	10K 5% 1/6W
R 815	GRD161J-682	C.RESISTOR	6.8K 5% 1/6W		R 872	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 816	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 873	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 817	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 874	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 818	GRD161J-153	C.RESISTOR	15K 5% 1/6W		R 875	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 819	GRD161J-683Y	C.RESISTOR	68K 5% 1/6W		R 876	GRD167J-332	C.RESISTOR	3.3K 5% 1/6W
R 820	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 877	GRD161J-103	C.RESISTOR	10K 5% 1/6W
R 821	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 878	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 822	GRD161J-153	C.RESISTOR	15K 5% 1/6W		R 879	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 823	GRD161J-683Y	C.RESISTOR	68K 5% 1/6W		R 880	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 824	GRD167J-682	C.RESISTOR	6.8K 5% 1/6W		R 881	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 825	GRD167J-562	C.RESISTOR	5.6K 5% 1/6W		R 882	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 826	GRD161J-822	C.RESISTOR	8.2K 5% 1/6W		R 883	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 827	GRD161J-153	C.RESISTOR	15K 5% 1/6W		R 884	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 828	GRD161J-223	C.RESISTOR	22K 5% 1/6W		R 885	GRD161J-727Y	C.RESISTOR	4.7K 5% 1/6W
R 829	GRD161J-823	C.RESISTOR	82K 5% 1/6W		R 886	GRD161J-727Y	C.RESISTOR	4.7K 5% 1/6W
R 831	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 887	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 832	GRD161J-223	C.RESISTOR	22K 5% 1/6W		R 888	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 833	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 889	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 834	GRD161J-223	C.RESISTOR	22K 5% 1/6W		R 890	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 835	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R 891	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 836	GRD161J-223	C.RESISTOR	22K 5% 1/6W		R 892	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 837	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 893	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 838	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 894	GRD161J-104	C.RESISTOR	BAND1(H)
R 839	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 895	GRD161J-104	C.RESISTOR	BAND2(H)
R 840	GRD161J-104	C.RESISTOR	100K 5% 1/6W		R 896	GRD161J-104	C.RESISTOR	
R 841	GRD161J-104	C.RESISTOR	100K 5% 1/6W		R 897	GRD161J-104	C.RESISTOR	
R 842	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R 898	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W
R 843	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R M 01	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 844	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R M 02	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W
R 845	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R M 03	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 846	GRD161J-104	C.RESISTOR	10K 5% 1/6W		R M 04	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 847	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R M 05	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 848	GRD161J-103	C.RESISTOR	10K 5% 1/6W		R M 06	GRD161J-103	C.RESISTOR	1.0K 5% 1/6W
R 849	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 07	GRD161J-101	C.RESISTOR	1.0K 5% 1/6W
R 850	GRD161J-104	C.RESISTOR	100K 5% 1/6W		R M 08	GRD161J-474	C.RESISTOR	470K 5% 1/6W
R 851	GRD161J-104	C.RESISTOR	10K 5% 1/6W		R M 09	GRD161J-774	C.RESISTOR	470K 5% 1/6W
R 852	GRD161J-104	C.RESISTOR	100K 5% 1/6W		R M 10	GRD161J-222	C.RESISTOR	2.7K 5% 1/6W
R 853	GRD161J-104	C.RESISTOR	100K 5% 1/6W		R M 11	GRD161J-101	C.RESISTOR	100K 5% 1/6W
R 854	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 12	GRD161J-224	C.RESISTOR	220K 5% 1/6W
R 855	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 13	GRD161J-104	C.RESISTOR	100K 5% 1/6W
R 856	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 14	GRD161J-104	C.RESISTOR	100K 5% 1/6W
R 858	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 15	GRD161J-104	C.RESISTOR	100K 5% 1/6W
R 859	GRD161J-102	C.RESISTOR	1.0K 5% 1/6W		R M 16	GRD161J-104	C.RESISTOR	100K 5% 1/6W
R 860	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 17	GRD161J-104	C.RESISTOR	100K 5% 1/6W
R 861	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		R M 18	GRD161J-102	C.RESISTOR	220 5% 1/6W
R 862	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		S 801	QSG4H11-1022	TACT SWITCH	POWER
R 863	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		S 802	QSG4H11-1022	TACT SWITCH	FB
R 864	GRD161J-222	C.RESISTOR	2.2K 5% 1/6W		S 803	QSG4H11-1022	TACT SWITCH	STOP/CLEAR
					S 804	QSG4H11-1022	TACT SWITCH	PLAY/PAUSE
					S 805	QSG4H11-1022	TACT SWITCH	DOWN
					S 806	QSG4H11-1022	TACT SWITCH	

BLOCK NO. 03

13. Illustration of Packing and Parts List



■ Packing parts list

BLOCK NO. M5MM

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	C1R
	P 1	FSPC7001-001	CARTON		1		
	P 2	FSPH1001-001	CUSHION(BOTT,L)		1		
	P 3	FSPH1001-002	CUSHION(BOTT,R)		1		
	P 4	FSPH1002-001	CUSHION(UP,L)		1		
	P 5	FSPH1002-002	CUSHION(UP,R)		1		
	P 7	E300196-031B	ENVELOPE		1		
	P 8	VPE3020-018	POLY BAG		2		
	P 10	VPE3020-007	POLY BAG	400X450 INSTRUCTIONS	1		
	P 11	VND3044-004	NUMBER LABEL		1	B	
		VND3044-003	NUMBER LABEL		1	E	
		VND3044-005	NUMBER LABEL		1	G	
		VND3044-001	NUMBER LABEL		1	GI, EN	
	P 12	FSND3002-001	BAR CODE LABEL		1	E, B, G, GI, EN	
	P 13	QZLA001-012	MARK	GREEN POINT	1	E, G	
	P 14	FSPC3002-002	CUSHION ASS'Y	P.CORD, REMOCON	1	B	

14. Accessories

BLOCK NO. M6MM □□□

▲	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN7001-261S VNN7001-251S VNN7001-271S	INSTRUCTIONS INSTRUCTIONS INSTRUCTIONS		1 1 1	E,G,EN B,GI,EN EN	
	A 2	BT20060 BT-20066A	WARRANTY CARD WARRANTY CARD		1 1	B B,G	
	A 3	BT-20135 E43486-340B QMP39F0-183E	WARRANTY CARD SAFETY SHEET		1	G	
▲	A 4	QMP5520-183EBS PECA0786	POWER CORD POWER CORD BATTERY	8NOJI	1 1 2	E,G,GI B	
	A 8	FSGR0001-001	REMOCON		1		



VICTOR COMPANY OF JAPAN, LIMITED.
PERSONAL AUDIO PRODUCTS DIVISION

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